

**Quarterly Operations Report
First Quarter 2012**

**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant
Bethpage, New York**

**Contract No. N40085-10-D-9409
Contract Task Order No. 0005**

August 2012

Prepared for:



Naval Facilities Engineering Command Mid-Atlantic
9742 Maryland Avenue
Norfolk, VA 23511

Prepared by:



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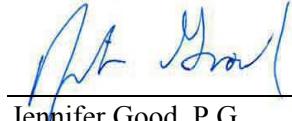




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Acronyms and Abbreviations

bgs	below ground surface
CTO	Contract Task Order
DAR	Division of Air Resources
DoD	Department of Defense
ECOR	ECOR Federal Services, LLC.
ELAP	Environmental Laboratory Accreditation Program
FMS	Flow Monitoring Station
GOCO	Government Owned Contractor Operated
H&S	H&S Environmental, Inc.
i.w.	inches of water column
NAVFAC	Naval Facilities Engineering Command Mid-Atlantic
NELAC	National Environmental Accreditation Conference
NGC	Northrop Grumman Corporation
NWIRP	Naval Weapons Industrial Reserve Plant
NYSDEC	New York State Department of Environmental Conservation
NYDOH	New York Department of Health
O&M	Operation and Maintenance
PCB	polychlorinated biphenyls
PCE	tetrachloroethene
PID	photoionization detector
scfm	standard cubic feet per minute
SVECS	soil vapor extraction containment system
SVEW	soil vapor extraction well
SVOC	semi-volatile organic compound
TCA	trichloroethane
TCE	trichloroethene
TCL	target compound list
TtEC	Tetra Tech EC, Inc.
VGAC	vapor-phase granular activated carbon
VOC	volatile organic compound

1.0 INTRODUCTION

H&S Environmental, Inc. (H&S) has prepared this Quarterly Operations Report for the First Quarter 2012 for the Soil Vapor Extraction Containment System (SVECS) at Site 1, Former Drum Marshalling Yard, at the Naval Weapons Industrial Reserve Plant (NWIRP) in Bethpage, New York. This report has been prepared for the United States Department of the Navy (Navy), Naval Facilities Engineering Command (NAVFAC), Mid-Atlantic, under Contract No. N40085-10-D-9409, Contract Task Order (CTO) No. 0005. H&S assumed operational responsibility of the SVECS from ECOR Federal Services, LLC (ECOR) on 1 July 2011. This First Quarter 2012 Operations Report details activities that occurred from January 2012 to March 2012. Data collected and operational activities were performed by H&S in accordance with the *Final Operation & Maintenance Plan for Soil Vapor Extraction Containment System Site 1, Former Drum Marshalling Yard at Naval Weapons Industrial Reserve Plant Bethpage, New York* prepared by Tetra Tech EC, Inc. (TtEC) in 2010, hereafter referred to as the “O&M Manual.”

1.1 Site Location

NWIRP Bethpage is located in east central Nassau County, Long Island, New York, approximately 30 miles east of New York City. The Navy's property totaled approximately 109.5 acres and was formerly a Government Owned Contractor-Operated (GOCO) facility that was operated by the Northrop Grumman Corporation (NGC) until September 1998. NWIRP Bethpage is bordered on the north, west, and south by property owned, or formerly owned, by NGC that covered approximately 605 acres, and on the east by a residential neighborhood. Site 1 lies within the fenced area of NWIRP Bethpage and is located east of Plant No. 3, west of 11th Street, and north of Plant 17 South (**Figures 1 and 2**).

1.2 Background

NWIRP Bethpage was established in 1941. Since inception, the primary mission of the facility has been the research, prototyping, testing, design engineering, fabrication, and primary assembly of military aircraft. Historical operations that resulted in hazardous material generation at the facility included metal finishing processes, maintenance operations, painting of aircraft and components, and other activities that involve aircraft manufacturing. Wastes generated by plant operations were disposed of directly into drainage sumps, dry wells, and/or on the ground surface, resulting in the disposal of a number of hazardous wastes, including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and inorganic analytes (chromium and cadmium) at the site. Some of these contaminants have migrated from the source area to surrounding areas, including the soils of these sites and the groundwater beneath and downgradient of the NWIRP Bethpage property. NWIRP Bethpage is currently listed by the New York State Department of Environmental Conservation (NYSDEC) as an “inactive hazardous waste site” (#1-30-003B).

Soils at Site 1 consist mainly of unconsolidated sediments that overlie crystalline bedrock. A clay unit is present near the groundwater table (50 feet below ground surface [bgs]) at the southeast corner of the site. This clay unit is suspected to be a source of chlorinated solvents that are migrating into the overlying soil gas and the source of offsite VOCs in soil vapor (TtEC 2010).

Chlorinated solvents including trichloroethene (TCE), tetrachloroethene (PCE), and 1,1,1-trichloroethane (TCA) have been identified as the VOCs of interest in soil gas at the site. Concentrations greater than 1,000 µg/m³ (micrograms per cubic meter of soil vapor) have been directly associated with Site 1 activities and historical environmental data, and based on preliminary screening, exceed guidelines established by the New York Department of Health (NYDOH) for subslab soil vapor concentrations. Of these compounds, TCE is the primary VOC of concern. Mitigation of TCE contamination in accordance with NYDOH guidance is expected to mitigate other VOCs associated with the site. PCBs, cadmium, and chromium have also been identified in site soils at concentrations requiring remediation. The majority of these chemicals have been detected in the central portion of Site 1 and will be addressed via a separate remediation (TtEC 2010).

Prior to implementation of the SVECS, the mean concentrations of VOCs in soil gas samples collected along the eastern fence-line were 41,128 µg/m³ of TCE, 381 µg/m³ of PCE, and 20,634 µg/m³ of 1,1,1-TCA. The maximum concentrations of VOCs in the soil gas samples were 180,000 µg/m³ of TCE, 1,200 µg/m³ of PCE, and 90,000 µg/m³ of 1,1,1-TCA (TtEC 2010).

1.3 Project Overview and Objective

The remedial objective for this project is to use an on-site soil vapor extraction system to prevent further off-site migration of VOC contaminated soil vapor and to the extent practical, capture contaminated soil vapor with a TCE concentration greater than 250 µg/m³. A secondary objective of this project is to address soil vapor with a TCE concentration greater than 5 µg/m³. The SVECS is an interim action intended to address migration of VOCs in contaminated soil vapors and has been designed for a four-year operational life; it is expected to operate continuously 24 hours/day, seven days/week, with the exception of maintenance and adjustment periods (TtEC 2010).

1.4 SVECS Overview

The SVECS consists of soil vapor extraction, soil vapor monitoring, and soil vapor treatment. Twelve SVE wells (SVEWs) are located along the eastern boundary of Site 1 in six clusters, each consisting of one intermediate well and one deep well. Intermediate wells SVE-101I, SVE-102I, SVE-103I, SVE-104I, SVE-105I, and SVE-106I have a screened interval between 25 and 35 ft bgs. Deep wells SVE-101D, SVE-102D, SVE-103D, SVE-104D, SVE-105D, and SVE-106D have a screened interval between 40 and 60 ft bgs. The groundwater table fluctuates between approximately 50 and 55 feet bgs. Each SVEW is operated at a flow rate of 40- 45 standard cubic feet per minute (scfm) for a total flow rate of 475 - 550 scfm. The SVECS has been designed to process a nominal flow of 500 scfm and a maximum flow of 1,000 scfm of soil vapor. Each intermediate depth SVEW requires a vacuum of 4 inches of water column (i.w.) and each deep SVEW requires a vacuum of up to 20 i.w. in order to extract the targeted flow rates. These twelve SVEWs have been piped below the ground to the Flow Monitoring Station (FMS), where flow, vacuum, and vapor quality are monitored. Within the FMS, the discharges from the individual SVEWs have been equipped with a 2-inch flow control butterfly valve, a vacuum gauge, and a sampling port. The sampling port is utilized to measure the flow rate from an individual well using a portable velocity meter and to collect vapor samples. All the SVE lines collect into a single manifold within the FMS and from this location a single underground pipeline has been routed approximately 1,400 linear feet to the Treatment Building (Building 03-35). Five additional SVEWs (SV-107D, SV-108D, SV-109D,

SV-110D, and SV-11D) were installed in October 2011 to address potential VOCs under Plant No. 3 and the South Warehouse. A site plan depicting well locations is included as **Figure 3**.

The SVECS is housed within the Treatment Building, an existing and unoccupied building also known as Building 03-35. The treatment system consists of a moisture separator, two SVE blowers, and a 5,000-lb vapor-phase granular activated carbon (VGAC) unit for removal of chlorinated VOCs from the off-gas. Soil vapor that enters the Treatment Building first passes through the moisture separator tank where any condensate is separated and removed by a portable pump into 55-gallon drums and then disposed of onsite to the County's sanitary sewer system if necessary. The vapor is then passed through an air filter and SVE blower, and then treated in the VGAC unit. The treated vapor is discharged from the VGAC via an exhaust stack. The SVECS has a control panel comprised of mechanical interlocks and relays for local operation. A Process Flow Diagram is presented in **Figure 4**, which also illustrates the design flow rates through the soil vapor extraction and treatment process.

The off-gas from the SVECS is monitored for chlorinated VOCs as identified in the NYSDEC Division of Air Resources (DAR) permit equivalent effluent limitations (**Appendix A**) and monitoring requirements (TtEC 2010). Samples are submitted to a National Environmental Laboratory Accreditation Conference (NELAC)-accredited, Department of Defense (DoD) Environmental Laboratory Accreditation Program (ELAP)-certified laboratory, Air Toxics, Inc. located in Folsom, CA, for analysis of target compound list (TCL) VOCs - including PCE, 1,1,1-TCA, and TCE - by modified method TO-15.

2.0 SVECS OPERATION AND MAINTENANCE

While designed to run completely automated, the SVECS requires regular visits by an operator to record and adjust operational parameters and to perform scheduled maintenance. The SVECS is equipped with telemetry that will call an on-call operator in the event of a plant shutdown.

2.1 Routine Maintenance Activities

Routine maintenance activities at the SVECS were performed during the operator's weekly visits. These activities include general site inspections (of the grounds, buildings, doors and locks), collection of operational data (vapor flowrates, pressures, vacuums, temperature and photoionization detector [PID] readings), adjustment of system valves, collection of vapor samples (on a monthly and quarterly basis), collection/disposal of condensate, cleaning of filters, switching of lead/lag blower assignments, and preventive maintenance of system equipment.

In addition, the following maintenance task was also performed during the reporting period:

- The system was shut down on 5 January 2012 in order to change out the carbon in the VGAC unit.

2.2 Non-routine Maintenance Activities

No non-routine activities or repair items of note were performed during this quarterly reporting period.

3.0 SVECS MONITORING

To monitor SVECS effectiveness, several process vapor samples are collected on a monthly basis. These samples consist of an influent sample (as well as a duplicate sample), located immediately prior to the VGAC unit, and an effluent sample, located after the VGAC unit and before the exhaust stack. In addition, vapor samples are collected from the 12 original SVEWs on a quarterly basis to determine the effectiveness of the remediation activities and monitor the capture of the contaminated soil vapor by the SVEWs.

3.1 Monthly Air Quality Monitoring

Analysis of influent and effluent sample locations is performed to evaluate VOC mass removal and the effectiveness of the VGAC adsorption unit. Composite vapor samples are collected using 6-L summa canisters with 30-minute flow regulators.

Treated off-gas discharged at the exhaust stack is subject to emissions limitations and associated calculations approved by the NYSDEC DAR in February 2010. A copy of the NYSDEC approved calculations is presented in the Air Permit Equivalent included as **Appendix A**.

A summary of monthly vapor sampling results collected in January, February, and March 2012 (First Quarter 2012) is presented in **Tables 1, 2, and 3**, respectively. Emission rate calculations for both the influent stream (“prior to treatment”) and effluent stream (“following treatment”) and estimated monthly mass recoveries are also presented. Emission rates of the influent stream are calculated to monitor progress and determine when influent concentrations have reached levels at which vapor treatment via carbon adsorption is no longer required. The data presented in **Tables 1, 2, and 3** demonstrate that all permitted constituents were in compliance with the effluent emission rates presented in the Air Permit Equivalent in **Appendix A**. Raw analytical data is presented in **Appendix B**.

3.2 Quarterly Air Quality Monitoring

Composite vapor samples are collected quarterly using 6-L summa canisters with 30-minute flow regulators at six intermediate and six deep SVE wells. The samples are collected for the purpose of tracking and documenting the performance of the SVECS at maintaining hydraulic containment and capturing the contaminated soil vapors (TtEC 2010).

Quarterly vapor samples were collected on 10 February 2012 from the 12 SVEWs. A summary of detected compounds is included as **Table 4**. Raw analytical data is included in **Appendix B**.

3.3 Air Quality Concentration Trends

Historical vapor analytical results through the First Quarter 2012 are presented in **Table 5**. Concentration trends of select VOCs over time for the SVECS combined influent (1,1,1-TCA, PCE, TCE, and total VOCs) and each of the 12 SVEWs (1,1,1-TCA, PCE, and TCE) are presented in **Appendix C**. Concentration trends observed through the First Quarter 2012 are discussed below. In general, unless

otherwise indicated, concentrations of 1,1,1-TCA, PCE, and TCE exhibited similar trends at each given location.

- Combined Influent: Overall VOC concentrations in the combined influent remained relatively consistent throughout the First Quarter 2012, after having increased noticeably in August 2011 and then gradually leveling off. Overall concentrations remain well below initial concentrations observed in July 2010.
- SV-101I: Concentrations increased significantly in the First Quarter 2012. Peak concentrations were observed for TCE (4,200 µg/L) and 1,1,1-TCA (1,500 µg/L), and concentrations for all three COCs were above initial concentrations observed in September 2010.
- SV-101D: Concentrations increased substantially in the Third Quarter 2011 and then fell back to initially observed concentrations in the Fourth Quarter 2011. No COCs were detected in the First Quarter 2012.
- SV-102I and SV-102D: No apparent trends were observed. Concentrations generally increased throughout 2011 but remained below initial concentrations observed in September 2010, and then decreased in the First Quarter 2012.
- SV-103I and SV-103D: Concentrations increased substantially in the Third and Fourth Quarter 2011, reaching maximum concentrations, with the most significant increases observed in PCE concentrations. Concentrations decreased in the First Quarter 2012 but remained above initial concentrations observed in September 2010.
- SV-104I: Concentrations increased in the Third Quarter 2011, though remained less than initial values observed in September 2010. Concentrations decreased in the Fourth Quarter 2011 and continued to decrease in the First Quarter 2012.
- SV-104D: Concentrations increased substantially throughout the latter half of 2011, reaching maximum concentrations in the Fourth Quarter 2011, with the most significant increase observed in PCE concentrations. Concentrations decreased somewhat in the First Quarter 2012 but remained significantly above initial values observed in September 2010.
- SV-105I and SV-105D: Concentrations increased substantially throughout the latter half of 2011, reaching maximum concentrations in the Fourth Quarter 2011, with the most significant increases observed in TCE concentrations. Concentrations decreased somewhat in the First Quarter 2012 but, with the exception of 1,1,1-TCA and PCE at SV-105D, remained above initial values observed in September 2010.
- SV-106I: No apparent trends were observed. TCE concentrations reached maximum levels in the Second Quarter 2011 and remained above initially observed concentrations in the Fourth Quarter 2011. Concentrations observed in the First Quarter 2012 fell below initial values observed in September 2010.

- SV-106D: No apparent trends were observed. Concentrations generally increased gradually throughout 2011, reaching peak concentrations in the Fourth Quarter 2011. Concentrations in the First Quarter 2012 then fell to non-detectable levels.

4.0 CONCLUSIONS AND RECOMMENDATIONS

As stated previously, the intent of the Site 1 SVECS is to prevent further off-site migration of VOC contaminated soil vapor and to the extent practical, capture contaminated soil vapor with elevated TCE concentrations. The removal of VOCs by the SVECS indicates that progress is being made toward these goals. Influent vapor analytical data with concentrations of TCE consistently greater than 250 µg/L indicate that the SVECS should continue to be operated on a full-time basis to achieve continued capture of contaminated soil vapor. Monthly monitoring of the combined influent and effluent as well as quarterly monitoring of individual SVEWs should continue, and ongoing optimization activities should be performed in order to improve system performance.

5.0 REFERENCES

Tetra Tech EC, Inc. (TtEC). 2010. *Final Operation & Maintenance Plan for Soil Vapor Extraction Containment System Site 1, Former Drum Marshalling Yard at Naval Weapons Industrial Reserve Plant, Bethpage, New York*. June.

TABLES

Table 1
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Monitoring Results
January 2012

Compound	Concentration ($\mu\text{g}/\text{m}^3$)				Emission Rate ^{(1),(2)}				Discharge Goal (lbs/yr)	Monthly Mass Recovery ⁽³⁾ (lbs)
	Influent #1	Influent #2	Average	Effluent	Prior to Treatment (lbs/hr)	Following Treatment (lbs/yr)	(lbs/hr)	(lbs/yr)		
Acetone	7.5	6.0 J	6.8 J	8.2	0.0000	0.0984	0.0000	0.1196	---	0.0084
alpha-Chlorotoluene	0	0.55 J	0.28 J	0	0.0000	0.0040	0.0000	0.0000	---	0.0003
2-Butanone	0	0	0	1.6 J	0.0000	0.0000	0.0000	0.0233	---	0.0000
Carbon Disulfide	2.0 J	1.1 J	1.6 J	1.1 J	0.0000	0.0226	0.0000	0.0160	---	0.0019
Carbon Tetrachloride	4.8 J	4.6 J	4.7 J	0	0.0000	0.0685	0.0000	0.0000	---	0.0058
Chlorobenzene	1.2 J	0.84 J	1.0 J	1.1 J	0.0000	0.0149	0.0000	0.0160	---	0.0013
Chloroform	3.2 J	3.5 J	3.4 J	0	0.0000	0.0488	0.0000	0.0000	---	0.0041
Cumene	8.9	5.9	7.4	3.9	0.0000	0.1079	0.0000	0.0569	---	0.0092
1,3-Dichlorobenzene	0.84 J	0.60 J	0.72 J	0.49 J	0.0000	0.0105	0.0000	0.0071	---	0.0009
1,4-Dichlorobenzene	0.88 J	0	0.44 J	0	0.0000	0.0064	0.0000	0.0000	---	0.0005
1,1-Dichloroethane	20	21	21	0	0.0000	0.2989	0.0000	0.0000	11	0.0254
1,2-Dichloroethane	1.3 J	1.2 J	1.3 J	0	0.0000	0.0182	0.0000	0.0000	---	0.0015
1,1-Dichloroethene	1.9 J	1.6 J	1.8 J	0	0.0000	0.0255	0.0000	0.0000	16	0.0022
cis-1,2-Dichloroethene	180	190	185	0	0.0003	2.6976	0.0000	0.0000	5	0.2291
trans-1,2-Dichloroethene	1.9 J	2.5 J	2.2 J	0	0.0000	0.0321	0.0000	0.0000	---	0.0027
trans-1,3-Dichloropropene	0.51 J	0.48 J	0.50 J	0.53 J	0.0000	0.0072	0.0000	0.0077	---	0.0006
Freon 11	3.8 J	4.0 J	3.9 J	0	0.0000	0.0569	0.0000	0.0000	---	0.0048
Freon 12	3.2 J	3.7 J	3.5 J	3.4 J	0.0000	0.0503	0.0000	0.0496	---	0.0043
Freon 113	68	71	70	0	0.0001	1.0134	0.0000	0.0000	---	0.0861
Methylene Chloride	7.2	1.3 J	4.3 J	0.87 J	0.0000	0.0620	0.0000	0.0127	---	0.0053
Tetrachloroethene	610	640	625	0	0.0010	9.1136	0.0000	0.0000	8	0.7740
Tetrahydrofuran	2.3	3.0	2.7	28	0.0000	0.0386	0.0000	0.4083	---	0.0033
Toluene	0.79 J	0.46 J	0.63 J	0.44 J	0.0000	0.0091	0.0000	0.0064	---	0.0008
1,2,4-Trichlorobenzene	2.2 J	1.8 J	2.0 J	1.6 J	0.0000	0.0292	0.0000	0.0233	---	0.0025
1,1,1-Trichloroethane	290	300	295	0	0.0005	4.3016	0.0000	0.0000	591	0.3653
Trichloroethene	1100	1100	1100	1.3 J	0.0018	16.0399	0.0000	0.0190	1,181	1.3623
m,p-Xylene	0	0	0	0.74 J	0.0000	0.0000	0.0000	0.0108	---	0.0000
Total VOCs	2322	2365	2344	53	0.0039	34.1763	0.0001	0.7768	---	2.9026

Notes:

All samples were analyzed for full list VOCs by modified method TO-15. Only detected analytes are presented above.

Average Monthly Vapor Temp (°F) = 90
 Average Monthly Flowrate (cfm) = 463
 Average Monthly Flowrate (scfm) = 445
 Operational Hours for the month = 744

(1) Emissions (lbs/hr) = Concentration ($\mu\text{g}/\text{m}^3$) * (lb/4540000000 μg) * (0.3048 \wedge 3 m^3/ft^3) * exhaust flow (scfm) * (60min/hour)

(2) Emissions (lbs/yr) = Emissions (lbs/hour) * (8760hours/yr)

(3) Monthly Mass Removal = AVERAGE FLOWRATE (scfm) * 0.3048 \wedge 3 m^3/ft^3 * INF AVG CONC ($\mu\text{g}/\text{m}^3$) * (lb/4540000000 μg) * 60 min/hr * OPERATIONAL TIME (hr)

Table 2
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Monitoring Results
February 2012

Compound	Concentration ($\mu\text{g}/\text{m}^3$)				Emission Rate ^{(1),(2)}				Discharge Goal (lbs/yr)	Monthly Mass Recovery ⁽³⁾ (lbs)
	Influent #1	Influent #2	Average	Effluent	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)		
Acetone	14 J	5.0 J	9.5 J	8.6 J	0.0000	0.1471	0.0000	0.1332	---	0.0117
Benzene	0.36 J	0	0	0	0.0000	0.0028	0.0000	0.0000	---	0.0002
Carbon Disulfide	2.4 J	2.1 J	2.3 J	1.8 J	0.0000	0.0348	0.0000	0.0279	---	0.0028
Carbon Tetrachloride	3.1 J	4.0 J	3.6 J	0	0.0000	0.0550	0.0000	0.0000	---	0.0044
Chloroform	3.6 J	3.2 J	3.4 J	0	0.0000	0.0526	0.0000	0.0000	---	0.0042
Cumene	5.4	1.8 J	3.6 J	2.5 J	0.0000	0.0557	0.0000	0.0387	---	0.0044
1,4-Dichlorobenzene	1.6 J	0	0.8 J	0	0.0000	0.0124	0.0000	0.0000	---	0.0010
1,1-Dichloroethane	15	18	17	0	0.0000	0.2555	0.0000	0.0000	11	0.0203
cis-1,2-Dichloroethene	160	190	175	0	0.0003	2.7096	0.0000	0.0000	5	0.2153
Ethanol	11	47	29	0	0.0001	0.4490	0.0000	0.0000	---	0.0357
Freon 11	3.4 J	3.7 J	3.6 J	0	0.0000	0.0550	0.0000	0.0000	---	0.0044
Freon 12	3.8 J	3.7 J	3.8 J	3.9 J	0.0000	0.0581	0.0000	0.0604	---	0.0046
Freon 113	59	62	61	0	0.0001	0.9367	0.0000	0.0000	---	0.0744
Methylene Chloride	3.9 J	0	2.0 J	3.5 J	0.0000	0.0302	0.0000	0.0542	---	0.0024
Propylbenzene	0.45 J	0	0	0	0.0000	0.0035	0.0000	0.0000	---	0.0003
2-Propanol	0	2.8 J	1.4 J	0	0.0000	0.0217	0.0000	0.0000	---	0.0017
Tetrachloroethene	500	590	545	0	0.0010	8.4384	0.0000	0.0000	8	0.6704
Tetrahydrofuran	2.2 J	0	1.1 J	0	0.0000	0.0170	0.0000	0.0000	---	0.0014
1,2,4-Trichlorobenzene	5.5 J	1.8 J	3.7 J	0	0.0000	0.0565	0.0000	0.0000	---	0.0045
1,1,1-Trichloroethane	210	240	225	0	0.0004	3.4838	0.0000	0.0000	591	0.2768
Trichloroethene	890	1000	945	2.1 J	0.0017	14.6318	0.0000	0.0325	1,181	1.1625
Total VOCs	1895	2175	2035	22	0.0036	31.5071	0.0000	0.3468	---	2.5033

Notes:

All samples were analyzed for full list VOCs by modified method TO-15. Only detected analytes are presented above.

Average Monthly Vapor Temp ($^{\circ}\text{F}$) = 87
 Average Monthly Flowrate (cfm) = 489
 Average Monthly Flowrate (scfm) = 472
 Operational Hours for the month = 696

(1) Emissions (lbs/hr) = Concentration ($\mu\text{g}/\text{m}^3$) * (lb/454000000 μg) * (0.3048 $^3\text{m}^3/\text{ft}^3$) * exhaust flow (scfm) * (60min/hour)

(2) Emissions (lbs/yr) = Emissions (lbs/hour) * (8760hours/yr)

(3) Monthly Mass Removal = AVERAGE FLOWRATE (scfm) * 0.3048 $^3\text{m}^3/\text{ft}^3$ * INF AVG CONC ($\mu\text{g}/\text{m}^3$) * (lb/454000000 μg) * 60 min/hr * OPERATIONAL TIME (hr)

Table 3
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Monitoring Results
March 2012

Compound	Concentration ($\mu\text{g}/\text{m}^3$)				Emission Rate ^{(1),(2)}				Discharge Goal (lbs/yr)	Monthly Mass Recovery ⁽³⁾ (lbs)
	Influent #1	Influent #2	Average	Effluent	Prior to Treatment (lbs/hr)	Following Treatment (lbs/yr)	(lbs/hr)	(lbs/yr)		
Acetone	4.7 J	3.9 J	4.3 J	7.5 J	0.0000	0.0631	0.0000	0.1101	---	0.0054
alpha-Chlorotoluene	0	0	0	0	0.0000	0.0000	0.0000	0.0000	---	0.0000
Benzene	0.42 J	0.41 J	0.42 J	0.50 J	0.0000	0.0061	0.0000	0.0073	---	0.0005
Carbon Disulfide	1.8 J	1.6 J	1.7 J	1.9 J	0.0000	0.0249	0.0000	0.0279	---	0.0021
Carbon Tetrachloride	3.4 J	3.7 J	3.6 J	0	0.0000	0.0521	0.0000	0.0000	---	0.0044
Chlorobenzene	2.1 J	2.1 J	2.1 J	2.7 J	0.0000	0.0308	0.0000	0.0396	---	0.0026
Chloroform	3.2 J	3.0 J	3.1 J	0	0.0000	0.0455	0.0000	0.0000	---	0.0039
Cumene	7.1	0	3.6	5.2	0.0000	0.0521	0.0000	0.0763	---	0.0044
1,4-Dichlorobenzene	0.57 J	0	0.29 J	0	0.0000	0.0042	0.0000	0.0000	---	0.0004
1,1-Dichloroethane	17	17	17	0	0.0000	0.2495	0.0000	0.0000	11	0.0212
1,2-Dichloroethane	1.1 J	1.1 J	1.1 J	0	0.0000	0.0161	0.0000	0.0000	---	0.0014
1,1-Dichloroethene	1.4 J	2.0 J	1.7 J	0	0.0000	0.0249	0.0000	0.0000	16	0.0021
cis-1,2-Dichloroethene	190	190	190	0.61 J	0.0003	2.7881	0.0000	0.0090	5	0.2368
trans-1,2-Dichloroethene	2.2 J	2.6 J	2.4 J	0	0.0000	0.0352	0.0000	0.0000	---	0.0030
Ethanol	79	27	53	11	0.0001	0.7777	0.0000	0.1614	---	0.0661
Freon 11	3.0 J	3.2 J	3.1 J	0	0.0000	0.0455	0.0000	0.0000	---	0.0039
Freon 12	3.2 J	3.2 J	3.2 J	4.8	0.0000	0.0470	0.0000	0.0704	---	0.0040
Freon 113	61	63	62	0	0.0001	0.9098	0.0000	0.0000	---	0.0773
Methylene Chloride	0.46 J	0.56 J	0.51 J	3.2 J	0.0000	0.0075	0.0000	0.0470	---	0.0006
2-Propanol	0	2.8 J	1.4 J	1.5 J	0.0000	0.0205	0.0000	0.0220	---	0.0017
Tetrachloroethene	570	580	575	2.3 J	0.0010	8.4376	0.0000	0.0338	8	0.7166
Tetrahydrofuran	2.7	2.6	2.7	0	0.0000	0.0389	0.0000	0.0000	---	0.0033
Toluene	0.69 J	0.73 J	0.71 J	0.93 J	0.0000	0.0104	0.0000	0.0136	---	0.0009
1,1,1-Trichloroethane	220	230	225	0.40 J	0.0004	3.3017	0.0000	0.0059	591	0.2804
Trichloroethene	920	930	925	6.7	0.0015	13.5735	0.0000	0.0983	1,181	1.1528
2,2,4-Trimethylpentane	0	0	0	0.55 J	0.0000	0.0000	0.0000	0.0081	---	0.0000
Total VOCs	2095	2071	2083	50	0.0035	30.5626	0.0001	0.7306	---	2.5957

Notes:

All samples were analyzed for full list VOCs by modified method TO-15. Only detected analytes are presented above.

Average Monthly Vapor Temp ($^{\circ}\text{F}$) = 91
 Average Monthly Flowrate (cfm) = 467
 Average Monthly Flowrate (scfm) = 448
 Operational Hours for the month = 744

(1) Emissions (lbs/hr) = Concentration ($\mu\text{g}/\text{m}^3$) * (lb/454000000 μg) * (0.3048 $^3\text{m}^3/\text{ft}^3$) * exhaust flow (scfm) * (60min/hour)

(2) Emissions (lbs/yr) = Emissions (lbs/hour) * (8760hours/yr)

(3) Monthly Mass Removal = AVERAGE FLOWRATE (scfm) * 0.3048 $^3\text{m}^3/\text{ft}^3$ * INF AVG CONC ($\mu\text{g}/\text{m}^3$) * (lb/454000000 μg) * 60 min/hr * OPERATIONAL TIME (hr)

Table 4
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
First Quarter 2012 Vapor Analytical Results Summary

Sample ID	SVE 101I	SVE101D	SVE102I	SVE102D	SVE103I	SVE103D	SVE104I	SVE104D	SVE105I	SVE105D	SVE 106I	SVE 106D
Sample Date	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)												
1,1,1-Trichloroethane	1500	ND	ND	1.4 J	ND	7.4 J	ND	520	11	350	1.0 J	ND
1,1,2-Trichloroethane	4.0 J	ND										
1,1-Dichloroethane	28	ND	ND	ND	ND	1.6 J	ND	87	4.2	69	0.62 J	ND
1,1-Dichloroethene	7.6 J	ND	ND	ND	ND	ND	ND	3.0 J	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	0.77 J	ND	2.2 J	ND	ND	ND	1.4 J	ND	1.1 J	ND
1,2-Dichloroethane	6.9 J	ND										
1,3,5-Trimethylbenzene	ND	0.48 J	ND	ND	ND							
1,3-Dichlorobenzene	ND	ND	ND	ND	1.1 J	ND						
2-Butanone	ND	ND	ND	ND	4.7 J	ND	ND	ND	3.6 J	ND	0.70 J	ND
4-ethyltoluene	ND	ND	0.64 J	0.36 J	1.5 J	ND	ND	ND	0.94 J	ND	0.37 J	ND
Acetone	22 J	4.4 J	7.8	8.4	65	13 J	4.8 J	46	25	ND	5.6 J	4.8 J
Benzene	ND	0.59 J	ND	0.58 J								
Carbon Tetrachloride	ND	4.0 J	0.91 J	ND								
Chloroform	ND	ND	0.75 J	19	19	3.6 J	ND	ND	0.78 J	ND	ND	ND
Chloromethane	7.1 J	ND	1.2 J									
cis-1,2-Dichloroethene	7.1 J	ND	ND	ND	18	290	0.90 J	2200	8.1	190	1.6 J	ND
Ethanol	6.9 J	2.4 J	3.0 J	ND	ND	5.5 J	ND	11 J	15	5.2 J	1.6 J	2.3 J
Freon 11	ND	1.2 J	1.1 J	4.8	ND	ND	1.2 J	ND	1.1 J	ND	1.2 J	1.2 J
Freon 113	ND	720	1.8 J	18 J	12	ND						
Freon 12	ND	1.4 J	1.9 J	2.6 J	2.0 J	ND	2.4 J	ND	2.3 J	ND	2.1 J	1.1 J
Heptane	ND	0.82 J										
Hexachlorobutadiene	ND											
Hexane	ND	ND	ND	ND	ND	ND	0.82 J	ND	ND	ND	ND	ND
m,p-Xylene	ND	ND	0.63 J	ND	1.8 J	ND	ND	ND	0.91 J	ND	0.80 J	ND
Methylene Chloride	2.3 J	0.54 J	1.3 J	1.0 J	9	ND	2.6	ND	0.94 J	8.4 J	0.71 J	3.9
o-Xylene	ND	0.49 J	ND	ND	ND							
Tetrachloroethene	48	ND	ND	5.9	140	3800	12	3800	31	140	4.3 J	ND
Tetrahydrofuran	ND	ND	ND	0.54 J	3.4 J	2.0 J	0.58 J	2.8 J	1.0 J	ND	0.87 J	ND
Toluene	ND	0.82 J	0.66 J	0.49 J	ND	ND	0.59 J	ND	0.60 J	ND	0.44 J	0.81 J
trans-1,2-Dichloroethene	ND	26	ND	ND	ND	ND						
Trichloroethene	4200	ND	10	34	29	180	9.6	1400	110	3600	69	ND

Notes:

$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

All samples were analyzed for full list VOCs by modified method TO-15. Only detected analytes are presented above.

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE 1011						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	450	850	300	1	0.7 J	0.7 J	1500
1,1,2-Tetrachloroethane	ND	ND	ND	1 J	0.7 J	0.8 J	ND
1,1,2-Trichloroethane	3	5	ND	1 J	0.6 J	0.6 J	4.0 J
1,1-Dichloroethane	14	31	5	0.8 J	0.4 J	0.4 J	28
1,1-Dichloroethene	4	8	ND	0.7 J	0.4 J	0.5 J	7.6 J
1,2,3-Trichloropropane	ND	ND	ND	1 J	0.6 J	0.8 J	NR
1,2,3-Trimethylbenzene	6	2	ND	0.6 J	ND	0.5 J	NR
1,2,4-Trichlorobenzene	ND						
1,2,4-Trimethylbenzene	15	5	2	1	ND	0.7 J	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	0.8 J	ND
1,2-Dichlorobenzene	ND	ND	ND	0.6	ND	0.6 J	ND
1,2-Dichloroethane	4	8	ND	0.9	0.5 J	0.5 J	6.9 J
1,2-Dichloropropane	ND	ND	ND	ND	0.6 J	0.6 J	ND
1,3,5-Trimethylbenzene	4	ND	ND	0.6 J	ND	0.5 J	ND
1,3-Butadiene	ND	ND	ND	0.7	0.4 J	0.4 J	ND
1,3-Dichlorobenzene	ND						
1,4-Dichlorobenzene	ND						
1,4-Dioxane	ND						
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	3	1	ND	3	1	1	ND
2-Hexanone	ND	ND	ND	ND	0.5 J	0.5 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	ND	0.4 J	ND	ND
4-Ethyltoluene	3	ND	ND	0.7 J	ND	ND	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	9	5	9	22	16	8	22 J
alpha-Chlorotoluene	ND	ND	ND	ND	ND	0.5 J	ND
Acrylonitrile	ND	ND	ND	ND	0.4 J	ND	NR
Benzene	1	ND	ND	1	0.4 J	0.6 J	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	23	ND	ND	1	0.8 J	0.8 J	ND
Bromoform	ND	ND	ND	ND	ND	1 J	ND
Bromomethane	ND	ND	ND	0.8	0.6 J	0.5 J	ND
Carbon Disulfide	ND	ND	ND	0.9	0.5 J	0.4 J	ND
Carbon Tetrachloride	2	ND	ND	2	1 J	1 J	ND
Chlorobenzene	ND	ND	ND	ND	ND	0.5 J	ND
Chlorodibromomethane	ND	ND	ND	ND	ND	0.9 J	NR
Chloroethane	ND	ND	ND	0.6	0.4 J	0.4 J	ND
Chloroform	2	1	ND	1	0.8 J	0.6 J	ND
Chlormethane	1	0.5	ND	1	1	1	7.1 J
cis-1,2-Dichloroethene	9	15	3	0.7 J	ND	0.4 J	7.1 J
cis-1,3-Dichloropropene	ND	ND	ND	0.7 J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	ND	0.9	0.7	0.3 J	ND
Dichlorodifluoromethane	3	2	ND	3	2	3	ND
Disopropyl ether	ND	ND	ND	ND	ND	ND	NR
Ethanol	5	4	2	10	7	3	6.9 J
Ethyl Acetate	ND	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	0.7 J	ND	ND	NR
Ethylbenzene	3	ND	ND	1	ND	0.5 J	ND
Freon 11	NR	NR	NR	NR	NR	NR	ND
Freon 113	ND	ND	ND	2	2 J	1 J	ND
Freon 114	ND	ND	ND	2	1 J	0.9 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	ND
Heptane	ND	ND	ND	2	ND	0.5 J	ND
Hexachlorobutadiene	ND	ND	ND	2 J	ND	1 J	ND
Hexane	1	ND	ND	3	3	0.7	ND
iso-Octane	2	ND	ND	4	ND	0.6 J	NR
Isopropylbenzene	ND	ND	ND	0.8 J	ND	0.6 J	NR
Isopropyl alcohol	ND	0.8	0.8	2	3	0.7	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	0.6 J	ND	0.4 J	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	1	1	0.4 J	ND
Methylene Chloride	ND	1	4	8	17	2	2.3 J
MIBK	ND	ND	ND	1	ND	0.4 J	NR
Naphthalene	4	5	5	ND	ND	ND	NR
n-Butane	0.8	0.7	ND	2	0.7	0.8	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	0.6 J	ND	ND	NR
n-Propylbenzene	2	ND	ND	0.7 J	ND	ND	ND
Propylene	ND	2	2	ND	ND	0.5	NR
Styrene	ND	ND	ND	0.7 J	ND	ND	ND
tert-Amyl methyl ether	ND	ND	ND	ND	ND	0.5 J	NR
tert-Butyl Alcohol	ND	ND	ND	0.7	0.4 J	0.4 J	NR
Tetrachloroethene	36	63	10	1	ND	2	48
Tetrahydrofuran	4	2	2	1	1	0.5 J	ND
Toluene	3	ND	ND	3	0.4 J	0.8	ND
Total Xylenes	13	ND	ND	4	ND	2 J	NR
trans-1,2-Dichloroethene	ND	ND	ND	0.7 J	0.4 J	0.4 J	ND
trans-1,3-Dichloropropene	ND						
Trichloroethene	1200	2400	560	1	0.6 J	0.6 J	4200
Trichlorofluoromethane	2	1	ND	2	2	2	NR
Vinyl Acetate	1	ND	ND	ND	0.7 J	ND	NR
Vinyl Bromide	ND	ND	ND	1	0.6 J	0.6 J	NR
Vinyl Chloride	ND	ND	ND	0.5 J	0.3 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE101D						
	09/16/10	12/22/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	ND	ND	ND	3	8	0.8 J	ND
1,1,2-Tetrachloroethane	ND	ND	ND	3	0.9 J	1 J	ND
1,1,2-Trichloroethane	ND	ND	ND	2	0.6 J	0.7 J	ND
1,1-Dichloroethane	ND	ND	ND	2	0.9 J	0.5 J	ND
1,1-Dichloroethene	ND	ND	ND	ND	0.7 J	0.4 J	ND
1,2,3-Trichloropropane	ND	ND	ND	2	0.8 J	0.8 J	NR
1,2,3-Trimethylbenzene	ND	ND	ND	4	1	1	NR
1,2,4-Trichlorobenzene	ND	ND	ND	2 J	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	10	3	3	ND
1,2-Dibromoethane	ND	ND	ND	3	ND	0.9 J	ND
1,2-Dichlorobenzene	ND	ND	ND	2 J	ND	0.7 J	ND
1,2-Dichloroethane	ND	ND	ND	2	0.5 J	0.5 J	ND
1,2-Dichloropropane	ND	ND	ND	2	0.6 J	0.5 J	ND
1,3,5-Trimethylbenzene	ND	ND	ND	3	0.9 J	1	ND
1,3-Butadiene	ND	ND	ND	ND	0.4 J	0.5 J	ND
1,3-Dichlorobenzene	ND	ND	ND	1 J	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	1 J	ND	ND	ND
1,4-Dioxane	ND	ND	ND	1	ND	ND	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	ND	1	2	8	1	1	ND
2-Hexanone	ND	ND	ND	2	0.7 J	0.5 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	ND	0.4 J	0.4 J	ND
4-Ethyltoluene	ND	ND	ND	3	0.8 J	1	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	19	10	10	36	4	9	4.4 J
alpha-Chlorotoluene	ND	ND	ND	2 J	ND	0.5 J	ND
Acrylonitrile	ND	ND	ND	ND	0.4 J	ND	NR
Benzene	ND	1	ND	4	0.5 J	0.5 J	0.59 J
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	ND	ND	ND	3	0.9 J	0.8 J	ND
Bromoform	ND	ND	ND	3 J	ND	1 J	ND
Bromomethane	ND	ND	ND	2	0.6 J	0.5 J	ND
Carbon Disulfide	ND	ND	ND	2	0.8	0.5 J	ND
Carbon Tetrachloride	ND	ND	ND	4	1 J	1	ND
Chlorobenzene	ND	ND	ND	2	0.5 J	0.6 J	ND
Chlorodibromomethane	ND	ND	ND	3	0.9 J	1 J	NR
Chloroethane	ND	ND	ND	ND	0.4 J	0.4 J	ND
Chloroform	ND	ND	ND	2	7	0.7 J	ND
Chlormethane	1	2	ND	3	0.4	1	ND
cis-1,2-Dichloroethene	ND	3	ND	2	2	0.5 J	ND
cis-1,3-Dichloropropene	ND	ND	ND	2	0.5 J	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	ND	2	0.4 J	0.4 J	ND
Dichlorodifluoromethane	2	3	ND	5	3	3	ND
Disopropyl ether	14	ND	ND	ND	ND	ND	NR
Ethanol	7	5	11	29	1	3	2.4 J
Ethyl Acetate	12	ND	ND	ND	ND	0.5 J	NR
Ethyl tert-butyl ether	ND	ND	ND	1	0.5 J	ND	NR
Ethylbenzene	ND	ND	ND	4	0.8 J	0.9	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.2 J
Freon 113	4	2	ND	4	7	1 J	ND
Freon 114	ND	ND	ND	3	1 J	1 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	1.4 J
Heptane	ND	ND	ND	3	0.4 J	0.5 J	ND
Hexachlorobutadiene	ND	ND	ND	ND	1 J	1 J	ND
Hexane	30	2	2	18	2	0.8	ND
iso-Octane	ND	ND	ND	4	0.7 J	0.6 J	NR
Isopropylbenzene	ND	ND	ND	2	0.5 J	0.6 J	NR
Isopropyl alcohol	9	1	4	9	1	0.9	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	2	0.4 J	3	NR
Methyl-tert-Butyl-Ether	4	ND	ND	5	0.7	0.4 J	ND
Methylene Chloride	150	7	4	84	8	2	0.54 J
MIBK	ND	ND	ND	4	0.5 J	0.5 J	NR
Naphthalene	ND	ND	ND	3	0.8 J	0.9 J	NR
n-Butane	ND	20	7	8	0.6	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	2 J	0.6 J	ND	NR
n-Propylbenzene	ND	ND	ND	2	0.7 J	0.8 J	ND
Propylene	ND	ND	ND	ND	ND	0.4	NR
Styrene	ND	ND	ND	1	ND	ND	ND
tert-Amyl methyl ether	ND	ND	ND	2	0.5 J	0.5 J	NR
tert-Butyl Alcohol	ND	ND	ND	2	0.5 J	0.5 J	NR
Tetrachloroethene	ND	4	ND	26	210	2	ND
Tetrahydrofuran	ND	ND	ND	7	1	1	ND
Toluene	ND	2	3	12	0.9	1	0.82 J
Total Xylenes	ND	ND	ND	18	3	4	NR
trans-1,2-Dichloroethene	ND	ND	ND	2	0.6 J	0.4 J	ND
trans-1,3-Dichloropropene	ND	ND	ND	2	ND	ND	ND
Trichloroethene	3	1	ND	3	120	1 J	ND
Trichlorofluoromethane	ND	2	ND	4	3	2	NR
Vinyl Acetate	ND	1	ND	ND	0.6 J	ND	NR
Vinyl Bromide	ND	ND	ND	2	0.6 J	0.6 J	NR
Vinyl Chloride	ND	ND	ND	1	0.4 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE102I						
	09/16/10	12/22/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	3	ND	NA	2	3	2	ND
1,1,2-Tetrachloroethane	ND	ND	NA	1J	0.8J	0.8J	ND
1,1,2-Trichloroethane	ND	ND	NA	1J	0.6J	0.6J	ND
1,1-Dichloroethane	ND	ND	NA	0.8J	0.5J	0.5J	ND
1,1-Dichloroethene	ND	ND	NA	0.7J	0.4J	0.4J	ND
1,2,3-Trichloropropane	ND	ND	NA	1J	0.6J	0.8J	NR
1,2,3-Trimethylbenzene	10	ND	NA	5	1	2	NR
1,2,4-Trichlorobenzene	ND	ND	NA	1J	ND	ND	ND
1,2,4-Trimethylbenzene	35	1	NA	18	3	5	0.77J
1,2-Dibromoethane	ND	ND	NA	1J	ND	0.8J	ND
1,2-Dichlorobenzene	ND	ND	NA	0.8J	ND	ND	ND
1,2-Dichloroethane	ND	ND	NA	0.8	0.4J	0.4J	ND
1,2-Dichloropropane	ND	ND	NA	0.9J	0.6J	0.6J	ND
1,3,5-Trimethylbenzene	7	ND	NA	4	0.8J	1	ND
1,3-Butadiene	ND	ND	NA	NA	0.3J	ND	ND
1,3-Dichlorobenzene	ND	ND	NA	0.7J	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	NA	0.6J	ND	ND	ND
1,4-Dioxane	ND	ND	NA	0.8	ND	0.4J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	ND	1	NA	4	1	2	ND
2-Hexanone	ND	ND	NA	0.9	0.6J	0.5J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	NA	0.6J	ND	ND	ND
4-Ethyltoluene	5	ND	NA	4	0.8J	1	0.64J
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	6	5	NA	14	4	7	7.8
alpha-Chlorotoluene	ND	ND	NA	0.7J	ND	ND	ND
Acrylonitrile	ND	ND	NA	0.5	0.4J	ND	NR
Benzene	ND	ND	NA	1	0.4J	0.5J	ND
Benzyl Chloride	ND	ND	NA	ND	ND	ND	NR
Bromodichloromethane	ND	ND	NA	2	0.8J	0.7J	ND
Bromoform	ND	ND	NA	1J	ND	1J	ND
Bromomethane	ND	ND	NA	0.8	0.5J	0.5J	ND
Carbon Disulfide	ND	ND	NA	0.7	0.5J	0.4J	ND
Carbon Tetrachloride	ND	ND	NA	2	1J	1J	ND
Chlorobenzene	ND	ND	NA	0.9	ND	0.5J	ND
Chlorodibromomethane	ND	ND	NA	1J	ND	0.9J	NR
Chloroethane	ND	ND	NA	0.6	0.4J	0.3J	ND
Chloroform	4	ND	NA	3	5	4	0.75J
Chlormethane	ND	0.9	NA	1	0.4	0.4	ND
cis-1,2-Dichloroethene	ND	ND	NA	0.7J	0.5J	0.5J	ND
cis-1,3-Dichloropropene	ND	ND	NA	0.7J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	NA	0.6J	ND	0.4J	ND
Dichlorodifluoromethane	ND	2	NA	3	2	2	ND
Disopropyl ether	ND	ND	NA	NA	ND	ND	NR
Ethanol	2	3	NA	8	2	4	3.0J
Ethyl Acetate	ND	ND	NA	NA	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	NA	0.7J	ND	ND	NR
Ethylbenzene	3	ND	NA	4	0.8J	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.1J
Freon 113	ND	ND	NA	2	1J	1J	ND
Freon 114	ND	ND	NA	2	1J	1J	ND
Freon 12	NR	NR	NR	NR	NR	NR	1.9J
Heptane	ND	ND	NA	1	ND	0.5J	ND
Hexachlorobutadiene	ND	ND	NA	3	1J	1J	ND
Hexane	ND	1	NA	1	0.8	0.8	ND
iso-Octane	ND	ND	NA	1	0.6J	0.6J	NR
Isopropylbenzene	ND	ND	NA	1	ND	0.6J	NR
Isopropyl alcohol	ND	0.6	NA	2	1	0.8	NR
m,p-Xylene	NR	NR	NA	NR	NR	NR	0.63J
Methyl Methacrylate	ND	ND	NA	0.6J	ND	ND	NR
Methyl-tert-Butyl-Ether	ND	ND	NA	0.7	0.5J	0.4J	ND
Methylene Chloride	ND	6	NA	4	3	3	1.3J
MIBK	ND	ND	NA	0.8J	ND	ND	NR
Naphthalene	3	ND	NA	5	0.8J	1	NR
n-Butane	4	2	NA	1	0.4J	ND	NR
o-Xylene	NR	NR	NA	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	NA	1J	ND	ND	NR
n-Propylbenzene	3	ND	NA	2	0.6J	0.9J	ND
Propylene	ND	ND	NA	ND	ND	ND	NR
Styrene	ND	ND	NA	0.7J	ND	ND	ND
tert-Amyl methyl ether	ND	ND	NA	0.7J	ND	0.4J	NR
tert-Butyl Alcohol	ND	ND	NA	1	0.5J	0.5J	NR
Tetrachloroethene	6	NR	NA	3	6	6	ND
Tetrahydrofuran	6	0.6	NA	5	1	1	ND
Toluene	3	1	NA	4	0.8	1	0.66J
Total Xylenes	22	ND	NA	20	3	6	NR
trans-1,2-Dichloroethene	ND	ND	NA	0.7J	0.4J	0.4J	ND
trans-1,3-Dichloropropene	ND	ND	NA	0.7J	ND	ND	ND
Trichloroethene	88	3	NA	34	76	52	10
Trichlorofluoromethane	ND	1	NA	2	2	2	NR
Vinyl Acetate	ND	ND	NA	ND	0.6J	ND	NR
Vinyl Bromide	ND	ND	NA	1	0.6J	0.6J	NR
Vinyl Chloride	ND	ND	NA	0.5J	0.4J	0.3J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE102D						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	7	2	2	6	4	5	1.4 J
1,1,2-Tetrachloroethane	ND	ND	ND	1 J	0.9 J	1 J	ND
1,1,2-Trichloroethane	ND	ND	ND	1 J	0.6 J	0.8 J	ND
1,1-Dichloroethane	ND	ND	ND	1	0.6 J	0.7 J	ND
1,1-Dichloroethene	ND	ND	ND	1	0.6 J	0.6 J	ND
1,2,2,3-Tetrachloropropane	ND	ND	ND	ND	0.7 J	0.9 J	NR
1,2,2,3-Trimethylbenzene	5	ND	ND	7	1	2	NR
1,2,4-Trichlorobenzene	ND	ND	ND	2 J	ND	0.8 J	ND
1,2,4-Trimethylbenzene	18	2	2	22	4	6	ND
1,2-Dibromoethane	ND	ND	ND	1 J	ND	1 J	ND
1,2-Dichlorobenzene	ND	ND	ND	1 J	ND	0.8 J	ND
1,2-Dichloroethane	ND	ND	ND	0.9	0.5 J	0.5 J	ND
1,2-Dichloropropane	ND	ND	ND	1	0.6 J	0.6 J	ND
1,3,5-Trimethylbenzene	4	ND	ND	4	ND	1	ND
1,3-Butadiene	1	ND	ND	ND	0.3 J	0.4 J	ND
1,3-Dichlorobenzene	ND	ND	ND	0.8 J	ND	0.7 J	ND
1,4-Dichlorobenzene	ND	ND	ND	0.8 J	ND	0.6 J	ND
1,4-Dioxane	ND	ND	ND	1	ND	0.6 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	4	0.9	0.7	5	1	1	ND
2-Hexanone	ND	ND	ND	0.9 J	0.6 J	0.6 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	0.7 J	0.4 J	ND	ND
4-Ethyltoluene	3	ND	ND	4	1	1	0.36 J
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	10	8	6	12	4	4	8.4
alpha-Chlorotoluene	ND	ND	ND	0.9 J	ND	0.6 J	ND
Acrylonitrile	ND	ND	ND	0.5	0.4 J	ND	NR
Benzene	ND	ND	ND	1	0.5 J	0.9	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	ND	ND	ND	2	0.9 J	1 J	ND
Bromoform	ND	ND	ND	2 J	ND	1 J	ND
Bromomethane	ND	ND	ND	1	0.6 J	0.5 J	ND
Carbon Disulfide	ND	ND	ND	0.9	0.5 J	0.5 J	ND
Carbon Tetrachloride	ND	ND	ND	2	2	2	ND
Chlorobenzene	ND	ND	ND	1 J	ND	0.7 J	ND
Chlorodibromomethane	ND	ND	ND	2 J	0.9 J	1 J	NR
Chloroethane	ND	ND	ND	0.7	0.4 J	0.4 J	ND
Chloroform	11	2	3	9	14	17	19
Chlormethane	ND	1	0.6	1	0.4	0.4	ND
cis-1,2-Dichloroethene	ND	0.9	ND	1	0.5 J	0.9	ND
cis-1,3-Dichloropropene	ND	ND	ND	0.9 J	ND	0.6 J	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	ND	0.7 J	0.5 J	0.4 J	ND
Dichlorodifluoromethane	2	3	2	4	3	3	ND
Disopropyl ether	ND	ND	ND	ND	ND	ND	NR
Ethanol	5	3	4	3	1	1	ND
Ethyl Acetate	ND	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	0.8 J	0.4 J	0.5 J	NR
Ethylbenzene	3	ND	ND	4	ND	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	4.8
Freon 113	ND	ND	ND	3	2	2	ND
Freon 114	ND	ND	ND	2	1 J	1 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	2.6 J
Heptane	ND	ND	ND	1	0.4 J	0.6 J	ND
Hexachlorobutadiene	ND	ND	ND	3	1 J	2 J	ND
Hexane	1	ND	ND	1	0.8	0.5 J	ND
iso-Octane	ND	ND	ND	1	1	0.7 J	NR
Isopropylbenzene	ND	ND	ND	1	0.5 J	0.8 J	NR
Isopropyl alcohol	1	ND	ND	2	1	1	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	0.8 J	0.4 J	0.4 J	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	0.9	0.5 J	0.4 J	ND
Methylene Chloride	7	2	ND	4	2	0.9	1.0 J
MIBK	ND	ND	ND	1	0.4 J	0.4 J	NR
Naphthalene	3	ND	ND	6	3	2	NR
n-Butane	ND	2	ND	2	2	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	1	ND	0.7 J	NR
n-Propylbenzene	ND	ND	ND	3	0.7 J	1	ND
Propylene	ND	ND	ND	ND	ND	ND	NR
Styrene	ND	ND	ND	0.8 J	ND	0.5 J	ND
tert-Amyl methyl ether	ND	ND	ND	0.9 J	0.5 J	0.5 J	NR
tert-Butyl Alcohol	ND	ND	ND	1	0.4 J	0.6	NR
Tetrachloroethene	19	3	9	25	23	39	5.9
Tetrahydrofuran	36	7	3	6	1	1	0.54 J
Toluene	3	ND	ND	4	0.8	2	0.49 J
Total Xylenes	15	ND	ND	22	2 J	7	NR
trans-1,2-Dichloroethene	ND	ND	ND	1	0.5 J	0.5 J	ND
trans-1,3-Dichloropropene	ND	ND	ND	0.8 J	ND	0.5 J	ND
Trichloroethene	110	17	21	89	81	87	34
Trichlorofluoromethane	5	2	6	9	12	13	NR
Vinyl Acetate	ND	ND	ND	2	ND	ND	NR
Vinyl Bromide	ND	ND	ND	1	0.6 J	0.6 J	NR
Vinyl Chloride	ND	ND	ND	0.6	0.4 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE103I						
Sample Date	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 (µg/m³)							
1,1,1-Trichloroethane	ND	ND	ND	0.9 J	6	6	ND
1,1,2-Tetrachloroethane	ND	ND	ND	1 J	0.9 J	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	0.7 J	0.7 J	ND	ND
1,1-Dichloroethane	ND	ND	ND	0.6 J	2	2	ND
1,1-Dichloroethene	ND	ND	ND	0.6 J	0.6 J	ND	ND
1,2,2,3-Tetrachloropropane	ND	ND	ND	0.9 J	0.8 J	0.6 J	NR
1,2,2,3-Trimethylbenzene	ND	ND	ND	4	1	2	NR
1,2,4-Trichlorobenzene	ND	ND	ND	1 J	ND	ND	ND
1,2,4-Trimethylbenzene	2	ND	1	14	3	5	2.2 J
1,2-Dibromoethane	ND	ND	ND	0.9 J	0.8 J	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	0.7 J	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	0.7 J	0.5 J	ND	ND
1,2-Dichloropropane	ND	ND	ND	0.7 J	0.6 J	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	2	0.9 J	1	ND
1,3-Butadiene	ND						
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	1.1 J
1,4-Dichlorobenzene	ND						
1,4-Dioxane	ND	ND	ND	0.5 J	0.6 J	0.4 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	2	ND	ND	4	1	1	4.7 J
2-Hexanone	ND	ND	ND	0.6 J	0.5 J	ND	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	0.4 J	0.4 J	ND	ND
4-Ethyltoluene	ND	ND	ND	3	0.8 J	1	1.5 J
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	13	6	6	17	4	3	65
alpha-Chlorotoluene	ND	ND	ND	0.6 J	ND	ND	ND
Acrylonitrile	ND	ND	ND	0.4 J	0.4 J	ND	NR
Benzene	2	ND	ND	1	0.6 J	0.5 J	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	ND	ND	ND	1 J	0.8 J	ND	ND
Bromoform	ND	ND	ND	1 J	1 J	ND	ND
Bromomethane	ND	ND	ND	0.6 J	0.6 J	0.4 J	ND
Carbon Disulfide	ND	ND	ND	0.6 J	0.6 J	0.5 J	ND
Carbon Tetrachloride	ND	ND	ND	1	1 J	0.9 J	ND
Chlorobenzene	ND	ND	ND	0.6 J	0.5 J	0.5 J	ND
Chlorodibromomethane	ND	ND	ND	1 J	0.9 J	ND	NR
Chloroethane	ND	ND	ND	0.5 J	0.5 J	0.3 J	ND
Chloroform	ND	ND	ND	0.8 J	3	2	19
Chlormethane	1	1	1	1	0.4	0.4 J	ND
cis-1,2-Dichloroethene	1	ND	1	0.5 J	16	12	18
cis-1,3-Dichloropropene	ND	ND	ND	0.5 J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	1	ND	ND	0.8	0.5 J	ND	ND
Dichlorodifluoromethane	3	2	2	3	2	2	ND
Disopropyl ether	3	ND	ND	ND	ND	ND	NR
Ethanol	17	3	6	14	2	1	ND
Ethyl Acetate	3	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	0.6 J	0.5 J	ND	NR
Ethylbenzene	1	ND	ND	3	0.8 J	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	ND
Freon 113	ND	ND	ND	2	2	1 J	ND
Freon 114	ND	ND	ND	1 J	1 J	0.8 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	2.0 J
Heptane	2	ND	ND	1	0.5 J	ND	ND
Hexachlorobutadiene	ND	ND	ND	2 J	1 J	1 J	ND
Hexane	6	ND	ND	3	1	0.6 J	ND
iso-Octane	2	ND	ND	1	0.7 J	0.5 J	NR
Isopropylbenzene	ND	ND	ND	0.8 J	0.6 J	ND	NR
Isopropyl alcohol	4	ND	3	2	1	0.5 J	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	1.8 J
Methyl Methacrylate	ND	ND	ND	0.5 J	0.4 J	ND	NR
Methyl-tert-Butyl-Ether	1	ND	ND	0.7 J	0.7 J	0.6 J	ND
Methylene Chloride	29	ND	2	8	4	1	9.0
MIBK	ND	ND	ND	ND	0.5 J	ND	NR
Naphthalene	ND	ND	ND	7	0.9 J	2	NR
n-Butane	3	1	1	3	0.6	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	0.9 J	0.6 J	ND	NR
n-Propylbenzene	ND	ND	ND	2	0.7 J	0.9 J	ND
Propylene	ND	ND	ND	2	ND	ND	NR
Styrene	ND	ND	ND	0.6 J	ND	ND	ND
tert-Amyl methyl ether	ND	ND	ND	0.6 J	0.5 J	ND	NR
tert-Butyl Alcohol	ND	ND	ND	0.8	0.7	0.9	NR
Tetrachloroethene	ND	ND	2	1 J	420	590	140
Tetrahydrofuran	1	ND	ND	4	1	1	3.4 J
Toluene	6	ND	1	6	0.9	1	ND
Total Xylenes	6	ND	ND	15	3	5	NR
trans-1,2-Dichloroethene	ND	ND	ND	0.6 J	1	1	ND
trans-1,3-Dichloropropene	ND	ND	ND	0.5 J	ND	ND	ND
Trichloroethene	ND	ND	ND	0.9 J	100	97	29
Trichlorofluoromethane	2	ND	1	2	2	2	NR
Vinyl Acetate	3	ND	ND	ND	ND	ND	NR
Vinyl Bromide	ND	ND	ND	0.7 J	0.7 J	ND	NR
Vinyl Chloride	ND	ND	ND	0.4 J	0.4 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE103D						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 (µg/m³)							
1,1,1-Trichloroethane	ND	13	ND	2 J	20	31	7.4 J
1,1,2-Tetrachloroethane	ND	ND	ND	2 J	2 J	12 J	ND
1,1,2-Trichloroethane	ND	ND	ND	1 J	2 J	10 J	ND
1,1-Dichloroethane	ND	2	2	1 J	4	9	1.6 J
1,1-Dichloroethene	ND	ND	ND	1 J	2	6 J	ND
1,2,3-Trichloropropane	ND	ND	ND	2 J	2 J	11 J	NR
1,2,3-Trimethylbenzene	5	ND	2	4	ND	7 J	NR
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	9 J	ND
1,2,4-Trimethylbenzene	8	2	7	12	ND	9 J	ND
1,2-Dibromoethane	ND	ND	ND	2 J	2 J	11 J	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	9 J	ND
1,2-Dichloroethane	ND	ND	ND	1 J	1 J	6 J	ND
1,2-Dichloropropane	ND	ND	ND	1 J	1 J	8 J	ND
1,3,5-Trimethylbenzene	ND	ND	2	3	ND	8 J	ND
1,3-Butadiene	ND	ND	ND	1	0.8 J	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	8 J	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	8 J	ND
1,4-Dioxane	ND	ND	ND	0.9 J	1	6 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	4	1	4	5	2	6 J	ND
2-Hexanone	ND	ND	ND	1 J	1 J	5 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	0.8 J	1 J	4 J	ND
4-Ethyltoluene	ND	ND	ND	3	ND	8 J	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	10	6	21	19	9	10	13 J
alpha-Chlorotoluene	ND	ND	ND	ND	ND	8 J	ND
Acrylonitrile	ND	ND	ND	0.5 J	0.8 J	ND	NR
Benzene	ND	ND	12	1	1 J	6 J	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	ND	ND	ND	2 J	2 J	ND	ND
Bromoform	ND	ND	ND	ND	2 J	14 J	ND
Bromomethane	ND	ND	ND	1 J	1 J	6 J	ND
Carbon Disulfide	ND	ND	ND	1 J	1 J	6 J	ND
Carbon Tetrachloride	ND	ND	ND	2 J	2 J	12 J	ND
Chlorobenzene	ND	ND	ND	1 J	1 J	8 J	ND
Chlorodibromomethane	ND	ND	ND	2 J	2 J	14 J	NR
Chloroethane	ND	ND	ND	0.9 J	1 J	5 J	ND
Chloroform	ND	1	ND	1 J	6	29	3.6 J
Chlormethane	3	0.7	1	2	0.9	4 J	ND
cis-1,2-Dichloroethene	ND	92	ND	1 J	360	160	290
cis-1,3-Dichloropropene	ND	ND	ND	1 J	6 J	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	5	1 J	0.9 J	5 J	ND
Dichlorodifluoromethane	6	2	2	4	3	10	ND
Disopropyl ether	5	ND	ND	ND	1 J	6 J	NR
Ethanol	6	5	56	10	2	9	5.5 J
Ethyl Acetate	5	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	1 J	1 J	5 J	NR
Ethylbenzene	ND	ND	8	3	0.9 J	7 J	ND
Freon 11	NR	NR	NR	NR	NR	NR	ND
Freon 113	ND	10	10	3 J	12	20	ND
Freon 114	ND	ND	ND	2 J	2 J	12 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	ND
Heptane	ND	ND	8	1 J	1 J	5 J	ND
Hexachlorobutadiene	ND	ND	ND	4 J	3 J	18 J	ND
Hexane	3	1	20	2	3	6 J	ND
iso-Octane	ND	ND	ND	1 J	1 J	8 J	NR
Isopropylbenzene	ND	ND	ND	1 J	1 J	8 J	NR
Isopropyl alcohol	5	ND	5	2	2	5 J	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	1 J	1 J	5 J	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	1 J	2	6 J	ND
Methylene Chloride	7	3	4	4	19	11	ND
MIBK	ND	ND	ND	1 J	1 J	6 J	NR
Naphthalene	ND	ND	ND	3	ND	5 J	NR
n-Butane	2	2	67	2	2	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	1 J	ND	7 J	NR
n-Propylbenzene	ND	ND	1	2	ND	6 J	ND
Propylene	ND	ND	9	2	ND	ND	NR
Styrene	ND	ND	ND	ND	ND	5 J	ND
tert-Amyl methyl ether	ND	ND	ND	1 J	1 J	6 J	NR
tert-Butyl Alcohol	3	ND	ND	1 J	0.9 J	5 J	NR
Tetrachloroethene	9	1500	ND	3	1600	6700	3800
Tetrahydrofuran	4	1	ND	6	2	6	2.0 J
Toluene	4	2	40	4	0.9 J	6 J	ND
Total Xylenes	ND	ND	34	16	3 J	21 J	NR
trans-1,2-Dichloroethene	ND	1	ND	1 J	3	7 J	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	5 J	ND
Trichloroethene	7	92	ND	2 J	290	240	180
Trichlorofluoromethane	6	1	3	3	3	11	NR
Vinyl Acetate	4	ND	ND	ND	ND	ND	NR
Vinyl Bromide	ND	ND	ND	2 J	1 J	8 J	NR
Vinyl Chloride	ND	2	ND	0.8 J	4	5 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE104I						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 (µg/m³)							
1,1,1-Trichloroethane	4	NR	NA	1 J	4	2	ND
1,1,2-Tetrachloroethane	ND	ND	NA	1 J	0.7 J	ND	ND
1,1,2-Trichloroethane	ND	ND	NA	1 J	ND	ND	ND
1,1-Dichloroethane	ND	ND	NA	1 J	0.6 J	0.5 J	ND
1,1-Dichloroethene	ND	ND	NA	1 J	ND	ND	ND
1,2,2,3-Trichloropropane	ND	ND	NA	1 J	ND	ND	NR
1,2,2,3-Trimethylbenzene	4	ND	NA	ND	ND	0.7 J	NR
1,2,4-Trichlorobenzene	ND	ND	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	12	1	NA	ND	ND	2	ND
1,2-Dibromoethane	ND	ND	NA	2 J	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	NA	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	NA	1 J	ND	ND	ND
1,2-Dichloropropane	ND	ND	NA	1 J	ND	ND	ND
1,3,5-Trimethylbenzene	3	ND	NA	ND	ND	0.5 J	ND
1,3-Butadiene	ND	ND	NA	1	0.4 J	ND	ND
1,3-Dichlorobenzene	ND	ND	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	NA	ND	ND	ND	ND
1,4-Dioxane	ND	ND	NA	0.8 J	0.4 J	ND	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	3	0.6	NA	3	1	0.8	ND
2-Hexanone	ND	ND	NA	0.9 J	ND	ND	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	NA	0.9	0.3 J	ND	ND
4-Ethyltoluene	2	ND	NA	ND	ND	ND	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	11	3	NA	21	5	5	4.8 J
alpha-Chlorotoluene	ND	ND	NA	ND	ND	ND	ND
Acrylonitrile	ND	ND	NA	0.6 J	0.3 J	ND	NR
Benzene	1	ND	NA	1 J	0.4 J	0.4 J	ND
Benzyl Chloride	ND	ND	NA	ND	ND	ND	NR
Bromodichloromethane	ND	ND	NA	2 J	0.8 J	ND	ND
Bromoform	ND	ND	NA	ND	ND	ND	ND
Bromomethane	ND	ND	NA	1 J	0.4 J	ND	ND
Carbon Disulfide	ND	ND	NA	1 J	0.5 J	0.5 J	ND
Carbon Tetrachloride	ND	ND	NA	2 J	1 J	1 J	ND
Chlorobenzene	ND	ND	NA	1 J	0.5 J	ND	ND
Chlorodibromomethane	ND	ND	NA	2 J	ND	ND	NR
Chloroethane	ND	ND	NA	0.9 J	0.3 J	ND	ND
Chloroform	2	ND	NA	1 J	3	1	ND
Chlormethane	ND	0.5	NA	2	0.5	0.8	ND
cis-1,2-Dichloroethene	2	0.8	NA	0.9 J	2	3	0.90 J
cis-1,3-Dichloropropene	ND	ND	NA	1 J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	0.8	ND	NA	1 J	ND	ND	ND
Dichlorodifluoromethane	2	2	NA	3	2	2	ND
Disopropyl ether	5	ND	NA	ND	ND	ND	NR
Ethanol	19	1	NA	12	2	3	ND
Ethyl Acetate	5	ND	NA	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	NA	1 J	ND	ND	NR
Ethylbenzene	2	ND	NA	1 J	0.6 J	0.6 J	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.2 J
Freon 113	ND	ND	NA	3 J	2	2	ND
Freon 114	ND	ND	NA	2 J	0.9 J	0.7 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	2.4 J
Heptane	1	ND	NA	1 J	ND	ND	ND
Hexachlorobutadiene	ND	ND	NA	2 J	ND	ND	ND
Hexane	10	ND	NA	12	0.5 J	0.4 J	0.82 J
iso-Octane	ND	ND	NA	1 J	0.5 J	0.5 J	NR
Isopropylbenzene	ND	ND	NA	1 J	ND	ND	NR
Isopropyl alcohol	6	ND	NA	7	0.7	0.5	NR
m,p-Xylene	NR	NR	NA	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	NA	0.9 J	ND	ND	NR
Methyl-tert-Butyl-Ether	1	ND	NA	4	ND	ND	ND
Methylene Chloride	51	ND	NA	65	1	0.9	2.6
MIBK	ND	ND	NA	1 J	ND	ND	NR
Naphthalene	ND	ND	NA	ND	ND	0.7 J	NR
n-Butane	2	0.6	NA	2	0.5 J	ND	NR
o-Xylene	NR	NR	NA	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	NA	ND	ND	ND	NR
n-Propylbenzene	1	ND	NA	ND	ND	ND	ND
Propylene	ND	ND	NA	ND	ND	0.4	NR
Styrene	ND	ND	NA	ND	ND	ND	ND
tert-Amyl methyl ether	ND	ND	NA	1 J	ND	ND	NR
tert-Butyl Alcohol	ND	ND	NA	0.9 J	0.3 J	0.3 J	NR
Tetrachloroethene	96	16	NA	2 J	54	33	12
Tetrahydrofuran	4	1	NA	1	1	0.8	0.58 J
Toluene	7	ND	NA	2	1	0.6 J	0.59 J
Total Xylenes	12	ND	NA	3 J	3	2 J	NR
trans-1,2-Dichloroethene	ND	ND	NA	1 J	0.5 J	0.4 J	ND
trans-1,3-Dichloropropene	ND	ND	NA	ND	ND	ND	ND
Trichloroethene	72	12	NA	2 J	44	25	9.6
Trichlorofluoromethane	2	ND	NA	3	2	2	NR
Vinyl Acetate	2	ND	NA	ND	ND	0.5 J	NR
Vinyl Bromide	ND	ND	NA	1 J	0.5 J	ND	NR
Vinyl Chloride	ND	ND	NA	0.7 J	0.3 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE104D						
Sample Date	09/16/10	12/22/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	ND	270	ND	370	620	440	520
1,1,2-Tetrachloroethane	ND	ND	ND	1 J	ND	9 J	ND
1,1,2-Trichloroethane	ND	ND	ND	2 J	7 J	7 J	ND
1,1-Dichloroethane	ND	66	ND	56	110	77	87
1,1-Dichloroethene	ND	ND	ND	3	7 J	7 J	3.0 J
1,2,3-Trichloropropane	ND	ND	ND	2 J	7 J	7 J	NR
1,2,3-Trimethylbenzene	ND	ND	ND	7	ND	6 J	NR
1,2,4-Trichlorobenzene	ND						
1,2,4-Trimethylbenzene	3	ND	ND	21	ND	7 J	ND
1,2-Dibromoethane	ND	ND	ND	2 J	ND	9 J	ND
1,2-Dichlorobenzene	ND	ND	ND	1 J	ND	7 J	ND
1,2-Dichloroethane	ND	ND	ND	1 J	5 J	5 J	ND
1,2-Dichloropropane	ND	ND	ND	2 J	6 J	5 J	ND
1,3,5-Trimethylbenzene	ND	ND	ND	4	ND	5 J	ND
1,3-Butadiene	ND	ND	ND	ND	3 J	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	1 J	ND	ND	ND
1,4-Dichlorobenzene	ND						
1,4-Dioxane	ND	ND	ND	2	9	4 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	ND	ND	ND	7	5 J	3 J	ND
2-Hexanone	ND	ND	ND	1 J	8	ND	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	1 J	4 J	ND	ND
4-Ethyltoluene	ND	ND	ND	4	ND	5 J	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	10	ND	6	26	10	8	46
alpha-Chlorotoluene	ND	ND	ND	1 J	ND	5 J	ND
Acrylonitrile	ND	ND	ND	0.8 J	4	ND	NR
Benzene	ND	ND	ND	2	4 J	4 J	ND
Benzyl Chloride	ND	ND	ND	1 J	ND	ND	NR
Bromodichloromethane	ND	ND	ND	2 J	8 J	7 J	ND
Bromoform	ND	ND	ND	3 J	ND	11 J	ND
Bromomethane	ND	ND	ND	1 J	6 J	5 J	ND
Carbon Disulfide	ND	ND	ND	1	5 J	4 J	ND
Carbon Tetrachloride	ND	ND	ND	3	9 J	8 J	ND
Chlorobenzene	ND	ND	ND	1 J	ND	5 J	ND
Chlorodibromomethane	ND	ND	ND	2 J	9 J	10 J	NR
Chloroethane	ND	ND	ND	1 J	4 J	4 J	ND
Chloroform	ND	ND	ND	3	10	9 J	ND
Chloromethane	0.9	ND	ND	2	3 J	3 J	ND
cis-1,2-Dichloroethene	ND	1200	ND	1000	3600	2100	2200
cis-1,3-Dichloropropene	ND	ND	ND	1 J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	ND	2	4 J	ND	ND
Dichlorodifluoromethane	2	ND	ND	4	9 J	8 J	ND
Disopropyl ether	ND	ND	ND	ND	ND	ND	NR
Ethanol	4	4	6	20	10	ND	11 J
Ethyl Acetate	ND	ND	ND	ND	6 J	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	1 J	4 J	ND	NR
Ethylbenzene	ND	ND	ND	4	ND	5 J	ND
Freon 11	NR	NR	NR	NR	NR	NR	ND
Freon 113	ND	560	560	280	260	550	720
Freon 114	ND	ND	ND	2 J	10 J	9 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	ND
Heptane	ND	ND	ND	2	5 J	5 J	ND
Hexachlorobutadiene	ND	ND	ND	5	ND	14 J	ND
Hexane	2	ND	2	7	5 J	4 J	ND
iso-Octane	ND	ND	ND	3	7 J	6 J	NR
Isopropylbenzene	ND	ND	ND	2 J	ND	6 J	NR
Isopropyl alcohol	1	ND	ND	7	6	4 J	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	1 J	4 J	ND	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	3	4 J	4 J	ND
Methylene Chloride	6	ND	14	28	9	6 J	ND
MIBK	ND	ND	ND	1 J	5 J	ND	NR
Naphthalene	ND	ND	ND	7	ND	5 J	NR
n-Butane	ND	ND	3	5	4 J	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	2 J	ND	ND	NR
n-Propylbenzene	ND	ND	ND	3	ND	ND	ND
Propylene	ND	ND	ND	ND	ND	3 J	NR
Styrene	ND	ND	ND	1 J	ND	ND	ND
tert-Amyl methyl ether	ND	ND	ND	1 J	5 J	4 J	NR
tert-Butyl Alcohol	ND	ND	ND	2	4 J	3 J	NR
Tetrachloroethene	ND	2400	ND	1400	5800	6300	3800
Tetrahydrofuran	ND	ND	ND	7	4 J	3 J	2.8 J
Toluene	ND	ND	ND	8	4 J	4 J	ND
Total Xylenes	ND	ND	ND	20	ND	14 J	NR
trans-1,2-Dichloroethene	ND	13	ND	14	25	22	26
trans-1,3-Dichloropropene	ND	ND	ND	1 J	ND	ND	ND
Trichloroethene	ND	470	ND	420	1600	1300	1400
Trichlorofluoromethane	ND	ND	ND	3	9 J	7 J	NR
Vinyl Acetate	ND	ND	ND	ND	5 J	4 J	NR
Vinyl Bromide	ND	ND	ND	2 J	6 J	ND	NR
Vinyl Chloride	ND	ND	ND	2	5	5 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE105I						
Sample Date	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	ND	24	1	1 J	21	31	11
1,1,2,2-Tetrachloroethane	ND	ND	ND	0.8 J	1 J	0.9 J	ND
1,1,2-Trichloroethane	ND	ND	ND	0.7 J	0.8 J	0.9 J	ND
1,1-Dichloroethane	ND	6	ND	0.6 J	5	7	4.2
1,1-Dichloroethene	ND	ND	ND	0.6 J	0.6 J	0.5 J	ND
1,2,2,3-Trichloropropane	ND	ND	ND	0.7 J	0.8 J	0.9 J	NR
1,2,2,3-Trimethylbenzene	14	ND	1	0.7 J	1	2	NR
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	1 J	ND
1,2,4-Trimethylbenzene	44	3	4	1	3	7	1.4 J
1,2-Dibromoethane	ND	ND	ND	0.9 J	ND	0.8 J	ND
1,2-Dichlorobenzene	ND	ND	ND	0.9 J	ND	0.8 J	ND
1,2-Dichloroethane	ND	ND	ND	0.7 J	0.6 J	0.5 J	ND
1,2-Dichloropropane	ND	ND	ND	0.7 J	0.5 J	0.6 J	ND
1,3,5-Trimethylbenzene	10	ND	1	2	0.9 J	1	0.48 J
1,3-Butadiene	ND						
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.7 J	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.7 J	ND
1,4-Dioxane	ND	ND	ND	0.7 J	0.7 J	0.6 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	4	1	6	6	2	1	3.6 J
2-Hexanone	ND	ND	ND	0.7 J	0.6 J	0.4 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	0.4 J	ND	ND	ND
4-Ethyltoluene	7	ND	ND	3	0.8 J	1	0.94 J
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	11	3	15	27	9	4	25
alpha-Chlorotoluene	ND	ND	ND	0.5 J	ND	0.7 J	ND
Acrylonitrile	ND	ND	ND	0.3 J	0.4 J	ND	NR
Benzene	ND	ND	4	1	0.6 J	0.6 J	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	ND	ND	ND	1 J	1 J	0.9 J	ND
Bromoform	ND	ND	ND	1 J	1 J	1 J	ND
Bromomethane	ND	ND	ND	0.8	0.6 J	0.5 J	ND
Carbon Disulfide	ND	ND	ND	0.9	0.6 J	0.6 J	ND
Carbon Tetrachloride	ND	ND	ND	1	1 J	1	ND
Chlorobenzene	ND	ND	ND	0.6 J	0.5 J	0.6 J	ND
Chlorodibromomethane	ND	ND	ND	1 J	0.9 J	1 J	NR
Chloroethane	ND	ND	ND	0.7	0.4 J	0.4 J	ND
Chloroform	ND	2	ND	0.9 J	4	3	0.78 J
Chlormethane	0.9	ND	ND	3	0.5	0.4	ND
cis-1,2-Dichloroethene	ND	ND	ND	1	10	16	8.1
cis-1,3-Dichloropropene	ND	13	ND	0.5 J	ND	0.5 J	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	3	0.7 J	0.6 J	0.5 J	ND
Dichlorodifluoromethane	2	2	2	3	2	3	ND
Disopropyl ether	ND	ND	ND	ND	0.6 J	ND	NR
Ethanol	5	1	37	19	3	2	15
Ethyl Acetate	ND	ND	2	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	0.5 J	0.5 J	0.4 J	NR
Ethylbenzene	4	ND	3	3	0.9	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.1 J
Freon 113	ND	2	ND	2	3	3	1.8 J
Freon 114	ND	ND	ND	1 J	1 J	1 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	2.3 J
Heptane	ND	ND	3	3	0.5 J	0.5 J	ND
Hexachlorobutadiene	ND	ND	ND	2 J	1 J	2 J	ND
Hexane	2	ND	11	2	1	0.5 J	ND
iso-Octane	ND	ND	4	1	0.7 J	0.7 J	NR
Isopropylbenzene	ND	ND	ND	0.8 J	0.6 J	0.8 J	NR
Isopropyl alcohol	ND	ND	6	9	2	7	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	0.91 J
Methyl Methacrylate	ND	ND	ND	0.6 J	0.5 J	0.4 J	NR
Methyl-tert-Butyl-Ether	ND	ND	1	0.7 J	0.7 J	0.4 J	ND
Methylene Chloride	6	0.8	48	7	5	1	0.94 J
MIBK	ND	ND	ND	0.8 J	0.6 J	0.5 J	NR
Naphthalene	3	ND	1	6	0.8 J	8	NR
n-Butane	0.5	ND	23	2	0.6	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	0.49 J
p-Isopropyltoluene	ND	ND	ND	0.9 J	0.6 J	0.7 J	NR
n-Propylbenzene	4	ND	ND	2	0.7 J	1	ND
Propylene	ND	ND	ND	ND	ND	ND	NR
Styrene	ND	ND	ND	0.5 J	ND	0.5 J	ND
tert-Amyl methyl ether	ND	ND	ND	0.5 J	0.5 J	0.5 J	NR
tert-Butyl Alcohol	1	ND	ND	4	0.6 J	0.4 J	NR
Tetrachloroethene	ND	55	5	2	95	100	31
Tetrahydrofuran	5	2	ND	4	2	2	1.0 J
Toluene	4	ND	14	5	2	1	0.60 J
Total Xylenes	28	ND	11	17	4	6	NR
trans-1,2-Dichloroethene	ND	ND	ND	0.5 J	1	1	ND
trans-1,3-Dichloropropene	ND	ND	ND	0.5 J	ND	0.5 J	ND
Trichloroethene	ND	120	7	1	170	200	110
Trichlorofluoromethane	1	1	2	2	2	2	NR
Vinyl Acetate	ND	ND	ND	3	ND	ND	NR
Vinyl Bromide	ND	ND	ND	0.7 J	ND	0.6 J	NR
Vinyl Chloride	ND	ND	ND	0.4 J	0.4 J	0.3 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE105D						
Sample Date	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	12/02/11	02/10/12
Analysis by TO-15 (µg/m³)							
1,1,1-Trichloroethane	1000	590	ND	1 J	490	930	350
1,1,2-Tetrachloroethane	ND	ND	ND	0.9 J	8 J	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	0.8 J	6 J	ND	ND
1,1-Dichloroethane	250	ND	ND	0.6 J	74	150	69
1,1-Dichloroethene	2	4	4	0.6 J	6 J	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	0.9 J	7 J	ND	NR
1,2,3-Trimethylbenzene	8	ND	ND	3	ND	ND	NR
1,2,4-Trichlorobenzene	ND						
1,2,4-Trimethylbenzene	30	4	2	8	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND	1 J	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	4	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	4	5 J	ND	ND
1,2-Dichloropropane	ND	ND	ND	0.7 J	5 J	ND	ND
1,3,5-Trimethylbenzene	6	ND	ND	2	ND	ND	ND
1,3-Butadiene	ND	ND	ND	0.4	3 J	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	0.6 J	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	0.7 J	ND	ND	ND
1,4-Dioxane	ND	ND	ND	0.8	ND	ND	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	7	2	2	4	6 J	ND	ND
2-Hexanone	ND	ND	ND	0.7 J	7 J	ND	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	0.5 J	3 J	ND	ND
4-Ethyltoluene	5	ND	ND	2	ND	ND	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	35	5	11	22	10	5	ND
alpha-Chlorotoluene	ND	ND	ND	0.7 J	ND	ND	ND
Acrylonitrile	ND	ND	ND	0.4 J	4 J	ND	NR
Benzene	ND	1	3	1	4 J	ND	ND
Benzyl Chloride	ND	ND	ND	ND	ND	ND	NR
Bromodichloromethane	6	ND	ND	1 J	8 J	ND	ND
Bromoform	ND	ND	ND	1 J	ND	ND	ND
Bromomethane	ND	ND	ND	0.6 J	6 J	ND	ND
Carbon Disulfide	ND	ND	ND	0.8	4 J	ND	ND
Carbon Tetrachloride	3	6	ND	1	10 J	ND	4.0 J
Chlorobenzene	ND	ND	ND	1	ND	ND	ND
Chlorodibromomethane	ND	ND	ND	1 J	9 J	ND	NR
Chloroethane	1	1	ND	0.5 J	4 J	ND	ND
Chloroform	ND	4	ND	0.8 J	10 J	3 J	ND
Chlormethane	1	ND	ND	2	3 J	ND	ND
cis-1,2-Dichloroethene	300	ND	ND	0.7 J	150	380	190
cis-1,3-Dichloropropene	ND	ND	ND	0.6 J	ND	ND	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	1	0.8	ND	ND	ND
Dichlorodifluoromethane	2	5	2	3	9 J	3 J	ND
Disopropyl ether	2	ND	ND	ND	ND	ND	NR
Ethanol	8	2	26	12	10	10	5.2 J
Ethyl Acetate	2	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	0.6 J	4 J	ND	NR
Ethylbenzene	4	ND	2	3	ND	ND	ND
Freon 11	NR	NR	NR	NR	NR	NR	ND
Freon 113	81	89	ND	2	62	40	18 J
Freon 114	ND	ND	ND	1 J	10 J	ND	ND
Freon 12	NR	NR	NR	NR	NR	NR	ND
Heptane	ND	ND	1	0.9	5 J	ND	ND
Hexachlorobutadiene	ND	ND	ND	2 J	ND	ND	ND
Hexane	5	2	5	2	4 J	ND	ND
iso-Octane	ND	ND	2	1	7 J	ND	NR
Isopropylbenzene	ND	ND	ND	0.8 J	ND	ND	NR
Isopropyl alcohol	2	ND	2	2	6	ND	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	0.7 J	4 J	ND	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	0.7 J	4 J	ND	ND
Methylene Chloride	16	5	2	6	8	3 J	8.4 J
MIBK	ND	ND	ND	0.8 J	5 J	ND	NR
Naphthalene	9	ND	ND	4	ND	ND	NR
n-Butane	ND	2	13	2	4 J	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	0.8 J	ND	ND	NR
n-Propylbenzene	3	ND	ND	1	ND	ND	ND
Propylene	2	ND	1	ND	ND	ND	NR
Styrene	ND	ND	ND	0.7 J	ND	ND	ND
tert-Amyl methyl ether	ND	ND	ND	0.6 J	5 J	ND	NR
tert-Butyl Alcohol	3	ND	ND	0.9	4 J	ND	NR
Tetrachloroethene	270	420	ND	2	240	330	140
Tetrahydrofuran	6	3	2	3	5 J	2 J	ND
Toluene	3	2	8	14	4 J	ND	ND
Total Xylenes	22	ND	10	20	ND	ND	NR
trans-1,2-Dichloroethene	3	ND	ND	0.6 J	7 J	3 J	ND
trans-1,3-Dichloropropene	ND	ND	ND	0.5 J	ND	ND	ND
Trichloroethene	1100	1400	1	2	3000	7000	3600
Trichlorofluoromethane	ND	3	1	2	9 J	ND	NR
Vinyl Acetate	2	ND	ND	ND	4 J	ND	NR
Vinyl Bromide	ND	ND	ND	0.8 J	6 J	ND	NR
Vinyl Chloride	ND	ND	ND	0.4 J	4 J	ND	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE 106I						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	4	ND	NA	6	3	7	1.0 J
1,1,2-Tetrachloroethane	ND	ND	NA	1 J	0.8 J	1 J	ND
1,1,2-Trichloroethane	ND	ND	NA	0.7 J	0.6 J	0.8 J	ND
1,1-Dichloroethane	1	ND	NA	1	0.5 J	1	0.62 J
1,2-Dichloroethene	ND	ND	NA	0.6 J	2	0.6 J	ND
1,2,2,3-Trichloropropane	ND	ND	NA	0.9 J	0.6 J	0.9 J	NR
1,2,2,3-Trimethylbenzene	9	ND	NA	9	1	2	NR
1,2,4-Trichlorobenzene	2	ND	NA	2	ND	0.8 J	ND
1,2,4-Trimethylbenzene	29	ND	NA	29	3	6	1.1 J
1,2-Dibromoethane	ND	ND	NA	1 J	ND	1 J	ND
1,2-Dichlorobenzene	1	ND	NA	0.7 J	ND	0.9 J	ND
1,2-Dichloroethane	0.8	ND	NA	0.6 J	0.5 J	0.6 J	ND
1,2-Dichloropropane	ND	ND	NA	0.7 J	ND	0.7 J	ND
1,3,5-Trimethylbenzene	6	ND	NA	5	0.9 J	1	ND
1,3-Butadiene	1	ND	NA	ND	2	0.6	ND
1,3-Dichlorobenzene	ND	ND	NA	ND	ND	0.7 J	ND
1,4-Dichlorobenzene	ND	ND	NA	0.7 J	2	0.7 J	ND
1,4-Dioxane	ND	ND	NA	0.7	0.5 J	0.6 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	4	ND	NA	7	0.5 J	2	0.70 J
2-Hexanone	ND	ND	NA	1	0.6 J	0.5 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	NA	0.4 J	0.5 J	0.4 J	ND
4-Ethyltoluene	5	ND	NA	5	1	1	0.37 J
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	5	5	NA	22	11	9	5.6 J
alpha-Chlorotoluene	ND	ND	NA	0.6 J	ND	0.7 J	ND
Acrylonitrile	0.4	ND	NA	0.4 J	0.4 J	ND	NR
Benzene	0.8	ND	NA	0.9	0.9	0.6 J	ND
Benzyl Chloride	1	ND	NA	0.7 J	ND	ND	NR
Bromodichloromethane	ND	ND	NA	0.8 J	0.5 J	1 J	ND
Bromoform	ND	ND	NA	1 J	0.3 J	2 J	ND
Bromomethane	0.9	ND	NA	0.6 J	2	0.6 J	ND
Carbon Disulfide	0.8	ND	NA	0.8	0.5 J	0.6	ND
Carbon Tetrachloride	2	ND	NA	1	ND	3	0.91 J
Chlorobenzene	ND	ND	NA	0.7 J	0.3 J	0.7 J	ND
Chlorodibromomethane	ND	ND	NA	1 J	1	1 J	NR
Chloroethane	0.6	ND	NA	0.7	0.8	0.5 J	ND
Chloroform	1	ND	NA	2	0.4 J	2	ND
Chlormethane	0.8	0.8	NA	2	ND	0.4	ND
cis-1,2-Dichloroethene	4	ND	NA	6	0.5 J	4	1.6 J
cis-1,3-Dichloropropene	ND	ND	NA	0.6 J	ND	0.5 J	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	NA	0.6 J	ND	0.4 J	ND
Dichlorodifluoromethane	3	2	NA	3	0.8 J	3	ND
Disopropyl ether	ND	ND	NA	ND	ND	ND	NR
Ethanol	3	2	NA	15	9	1	1.6 J
Ethyl Acetate	ND	ND	NA	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	NA	0.6 J	0.4 J	0.5 J	NR
Ethylbenzene	3	ND	NA	4	2	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.2 J
Freon 113	4	ND	NA	5	4	12	12
Freon 114	2	ND	NA	1 J	0.9 J	1 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	2.1 J
Heptane	ND	ND	NA	0.8 J	0.7 J	0.5 J	ND
Hexachlorobutadiene	2	ND	NA	2 J	1 J	2 J	ND
Hexane	0.8	ND	NA	1	1	1	ND
iso-Octane	1	ND	NA	19	0.9 J	0.8 J	NR
Isopropylbenzene	1	ND	NA	1	0.5 J	0.7 J	NR
Isopropyl alcohol	1	ND	NA	13	1	1	NR
m,p-Xylene	NR	NR	NA	NR	NR	NR	0.80 J
Methyl Methacrylate	ND	ND	NA	0.5 J	ND	0.5 J	NR
Methyl-tert-Butyl-Ether	ND	ND	NA	0.7 J	0.5 J	0.7	ND
Methylene Chloride	2	0.8	NA	6	2	5	0.71 J
MIBK	ND	ND	NA	0.8 J	0.4 J	0.5 J	NR
Naphthalene	6	ND	NA	26	1	2	NR
n-Butane	0.8	0.5	NA	1	0.5 J	ND	NR
o-Xylene	NR	NR	NA	NR	NR	NR	ND
p-Isopropyltoluene	2	ND	NA	1	ND	0.8 J	NR
n-Propylbenzene	3	ND	NA	3	0.7 J	0.9 J	ND
Propylene	ND	ND	NA	ND	ND	ND	NR
Styrene	ND	ND	NA	0.7 J	ND	0.5 J	ND
tert-Amyl methyl ether	ND	ND	NA	0.6 J	0.4 J	0.6 J	NR
tert-Butyl Alcohol	0.9	ND	NA	2	1 J	0.8	NR
Tetrachloroethene	15	ND	NA	15	7	19	4.3 J
Tetrahydrofuran	6	ND	NA	8	2	2	0.87 J
Toluene	2	ND	NA	5	3	1	0.44 J
Total Xylenes	17	ND	NA	22	8	6	NR
trans-1,2-Dichloroethene	0.9	ND	NA	0.8	0.5 J	0.7 J	ND
trans-1,3-Dichloropropene	ND	ND	NA	0.6 J	ND	ND	ND
Trichloroethene	140	10	NA	210	92	190	69
Trichlorofluoromethane	2	1	NA	2	2	2	NR
Vinyl Acetate	1	ND	NA	3	ND	ND	NR
Vinyl Bromide	0.9	ND	NA	0.7 J	0.5 J	0.7 J	NR
Vinyl Chloride	0.5	ND	NA	0.4 J	0.3 J	0.4 J	ND

Table 5
Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Quarterly Vapor Monitoring Results of Individual Wells
Through First Quarter 2012

Sample ID	SVE 106D						
	09/16/10	12/08/10	03/30/11	06/28/11	09/06/11	10/14/11	02/10/12
Analysis by TO-15 ($\mu\text{g}/\text{m}^3$)							
1,1,1-Trichloroethane	20	12	9	20	23	29	ND
1,1,2-Tetrachloroethane	ND	ND	ND	ND	0.9 J	1 J	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	0.7 J	0.9 J	ND
1,1-Dichloroethane	5	2	5	4	3	3	ND
1,1-Dichloroethene	ND	ND	ND	0.5 J	0.7 J	0.8	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	0.7 J	1 J	NR
1,2,3-Trimethylbenzene	8	ND	ND	6	ND	2	NR
1,2,4-Trichlorobenzene	NR	ND	ND	1 J	ND	0.9 J	ND
1,2,4-Trimethylbenzene	17	2	2	23	ND	4	ND
1,2-Dibromoethane	ND	ND	ND	ND	ND	1 J	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	1 J	ND
1,2-Dichloroethane	ND	ND	ND	ND	0.6 J	0.7 J	ND
1,2-Dichloropropane	ND	ND	ND	ND	0.6 J	0.8 J	ND
1,3,5-Trimethylbenzene	6	ND	ND	4	ND	1	ND
1,3-Butadiene	ND	ND	ND	ND	0.3 J	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	0.8 J	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	0.8 J	ND
1,4-Dioxane	ND	ND	ND	0.5 J	0.7 J	0.7 J	ND
2,2,4-Trimethylpentane	NR	NR	NR	NR	NR	NR	ND
2-Butanone	8	2	0.8	5	1	2	ND
2-Hexanone	ND	ND	ND	ND	0.5 J	0.8 J	ND
2-Propanol	NR	NR	NR	NR	NR	NR	ND
3-Chloro-1-propene	ND	ND	ND	ND	0.4 J	0.4 J	ND
4-Ethyltoluene	6	ND	ND	4	ND	1	ND
4-Methyl-2-pentanone	NR	NR	NR	NR	NR	NR	ND
Acetone	25	9	5	11	6	6	4.8 J
alpha-Chlorotoluene	ND	ND	ND	ND	ND	0.9 J	ND
Acrylonitrile	ND	ND	ND	0.4 J	0.4 J	ND	NR
Benzene	ND	ND	ND	2	0.5 J	0.6 J	0.58 J
Benzyl Chloride	ND	ND	ND	ND	ND	0.6 J	NR
Bromodichloromethane	ND	ND	ND	ND	0.9 J	1 J	ND
Bromoform	ND	ND	ND	ND	ND	2 J	ND
Bromomethane	ND	ND	ND	ND	0.6 J	0.7 J	ND
Carbon Disulfide	ND	ND	ND	0.6 J	0.6 J	0.6	ND
Carbon Tetrachloride	8	26	17	9	6	18	ND
Chlorobenzene	ND	ND	ND	ND	0.5 J	0.8 J	ND
Chlorodibromomethane	ND	ND	ND	ND	1 J	1 J	NR
Chloroethane	ND	ND	ND	0.4 J	0.4 J	0.4 J	ND
Chloroform	ND	2	2	5	5	5	ND
Chlormethane	3	1	0.5	0.7	0.5	0.6	1.2 J
cis-1,2-Dichloroethene	13	2	11	11	5	4	ND
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.7 J	ND
Cumene	NR	NR	NR	NR	NR	NR	ND
Cyclohexane	ND	ND	ND	1	0.4 J	0.4 J	ND
Dichlorodifluoromethane	6	3	3	4	2	3	ND
Disopropyl ether	ND	ND	ND	ND	ND	1 J	NR
Ethanol	8	3	2	17	4	ND	2.3 J
Ethyl Acetate	ND	ND	ND	ND	ND	ND	NR
Ethyl tert-butyl ether	ND	ND	ND	ND	0.6 J	0.6 J	NR
Ethylbenzene	5	ND	ND	5	ND	1	ND
Freon 11	NR	NR	NR	NR	NR	NR	1.2 J
Freon 113	ND	18	30	16	25	25	ND
Freon 114	ND	ND	ND	ND	1 J	1 J	ND
Freon 12	NR	NR	NR	NR	NR	NR	1.1 J
Heptane	ND	ND	ND	1	0.4 J	0.6 J	0.82 J
Hexachlorobutadiene	ND	ND	ND	ND	1 J	2 J	ND
Hexane	3	ND	ND	3	2	0.6 J	ND
iso-Octane	ND	ND	ND	130	0.7 J	0.8 J	NR
Isopropylbenzene	ND	ND	ND	0.8 J	0.5 J	0.8 J	NR
Isopropyl alcohol	5	ND	2	3	2	ND	NR
m,p-Xylene	NR	NR	NR	NR	NR	NR	ND
Methyl Methacrylate	ND	ND	ND	ND	0.4 J	0.4 J	NR
Methyl-tert-Butyl-Ether	ND	ND	ND	ND	1	0.5 J	ND
Methylene Chloride	4	2	4	5	17	1	3.9
MIBK	ND	ND	ND	0.5 J	0.4 J	0.6 J	NR
Naphthalene	8	ND	ND	25	ND	3	NR
n-Butane	ND	1	0.9	6	0.9	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND
p-Isopropyltoluene	ND	ND	ND	0.7 J	ND	0.9 J	NR
n-Propylbenzene	ND	ND	ND	2	ND	0.9 J	ND
Propylene	ND	ND	ND	ND	ND	MD	NR
Styrene	ND	ND	ND	ND	ND	0.6 J	ND
tert-Amyl methyl ether	ND	ND	ND	ND	0.5 J	0.6 J	NR
tert-Butyl Alcohol	4	ND	ND	0.6 J	0.5 J	ND	NR
Tetrachloroethene	ND	13	19	41	8	66	ND
Tetrahydrofuran	8	2	1	7	2	2	ND
Toluene	5	2	2	11	0.5 J	3	0.81 J
Total Xylenes	21	ND	ND	25	ND	6	NR
trans-1,2-Dichloroethene	ND	ND	ND	0.6 J	0.8	0.9	ND
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	0.6 J	ND
Trichloroethene	230	130	170	210	260	320	ND
Trichlorofluoromethane	6	2	2	3	2	3	NR
Vinyl Acetate	4	ND	ND	ND	ND	ND	NR
Vinyl Bromide	ND	ND	ND	ND	0.6 J	0.9	NR
Vinyl Chloride	ND	ND	ND	ND	0.4 J	0.5 J	ND

Notes:

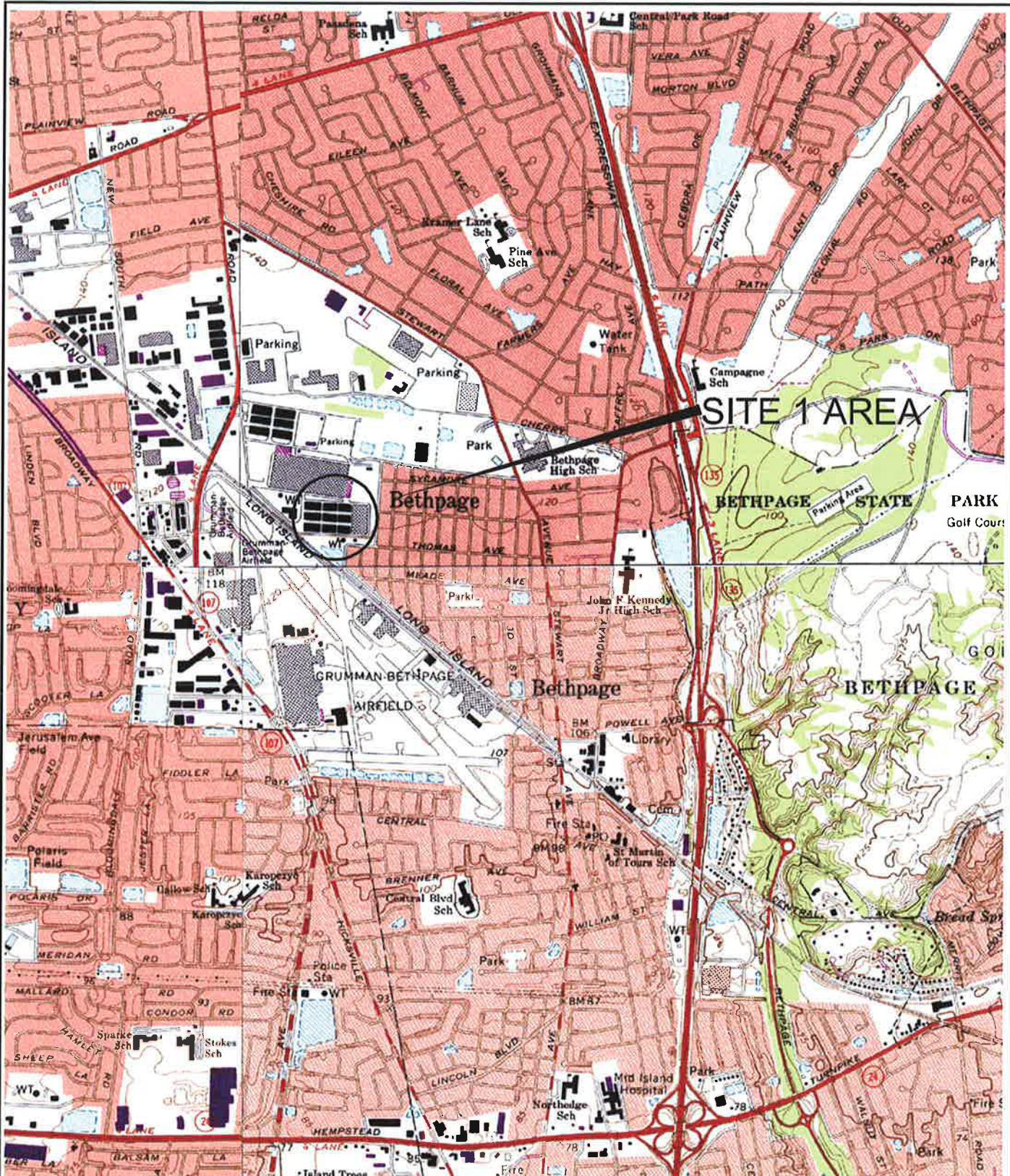
$\mu\text{g}/\text{m}^3$ = micrograms per cubic meter

NR = Not Recorded

NA = Data not available. Vapor samples could not be collected due to water in the extraction wells.

Data prior to July 2011 were collected by others.

FIGURES



Quadrangle Location Map

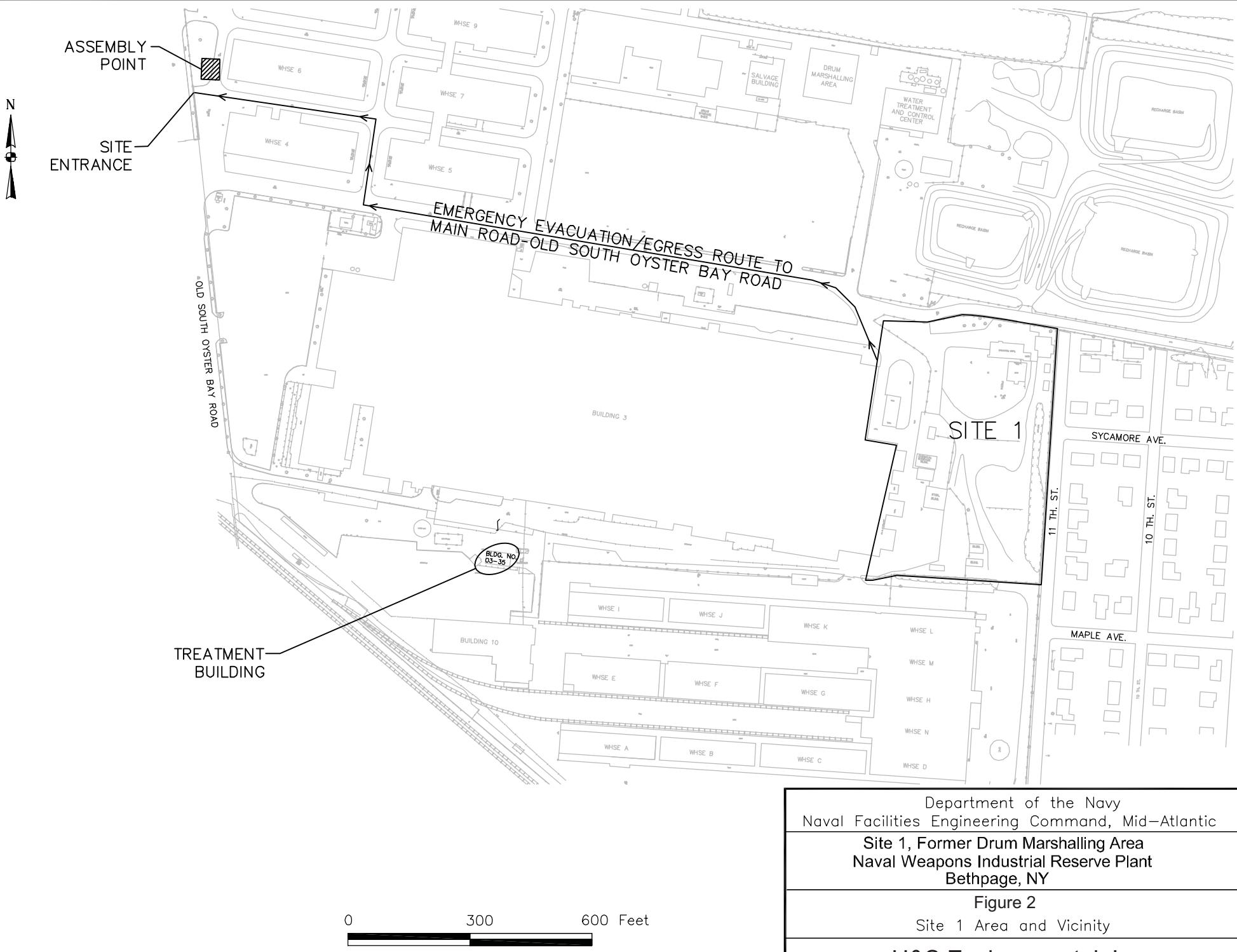
0 2000 4000 Feet

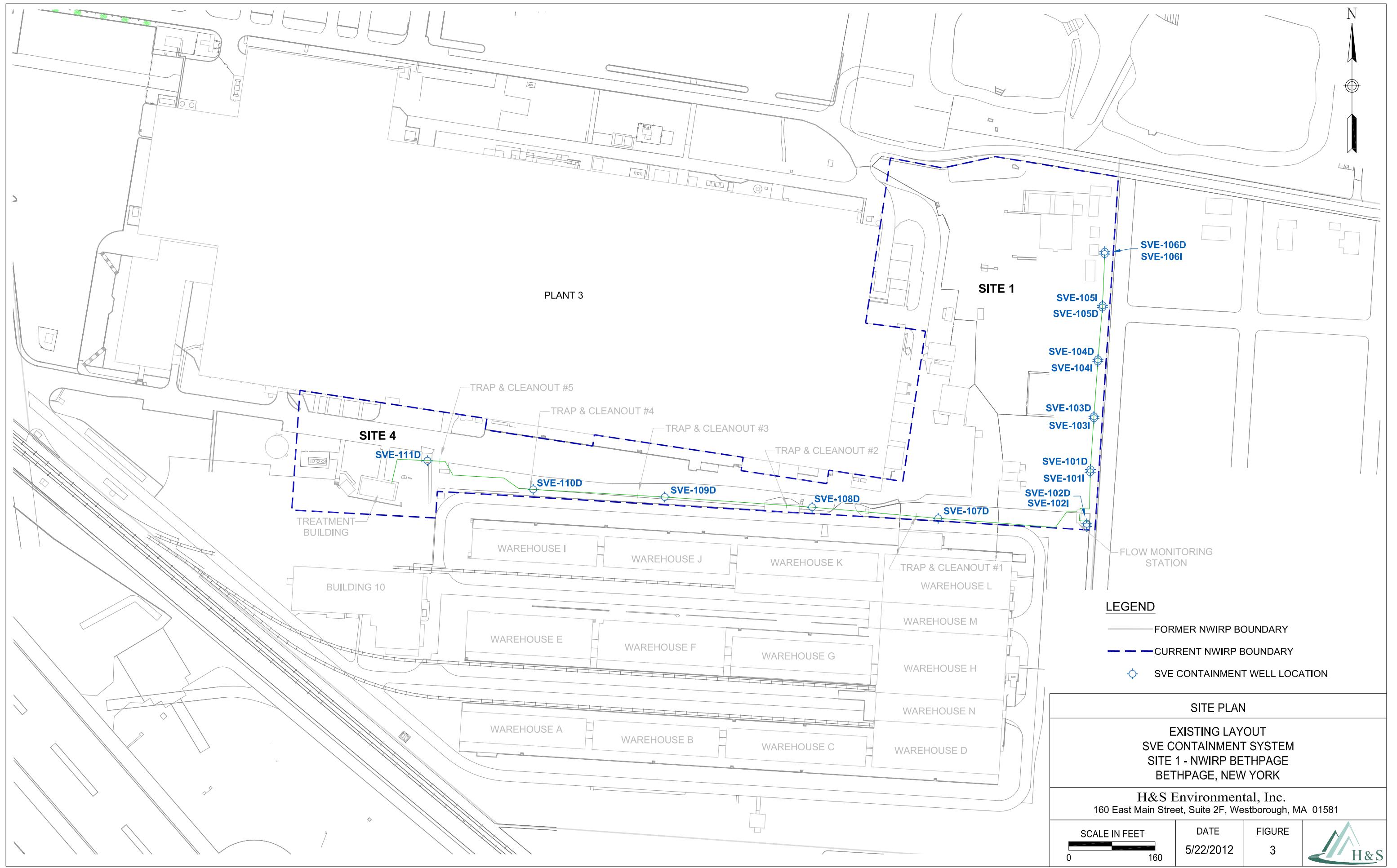


Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
Site 1, Former Drum Marshalling Area
Naval Weapons Industrial Reserve Plant
Bethpage, NY

Figure 1: Site Location Map

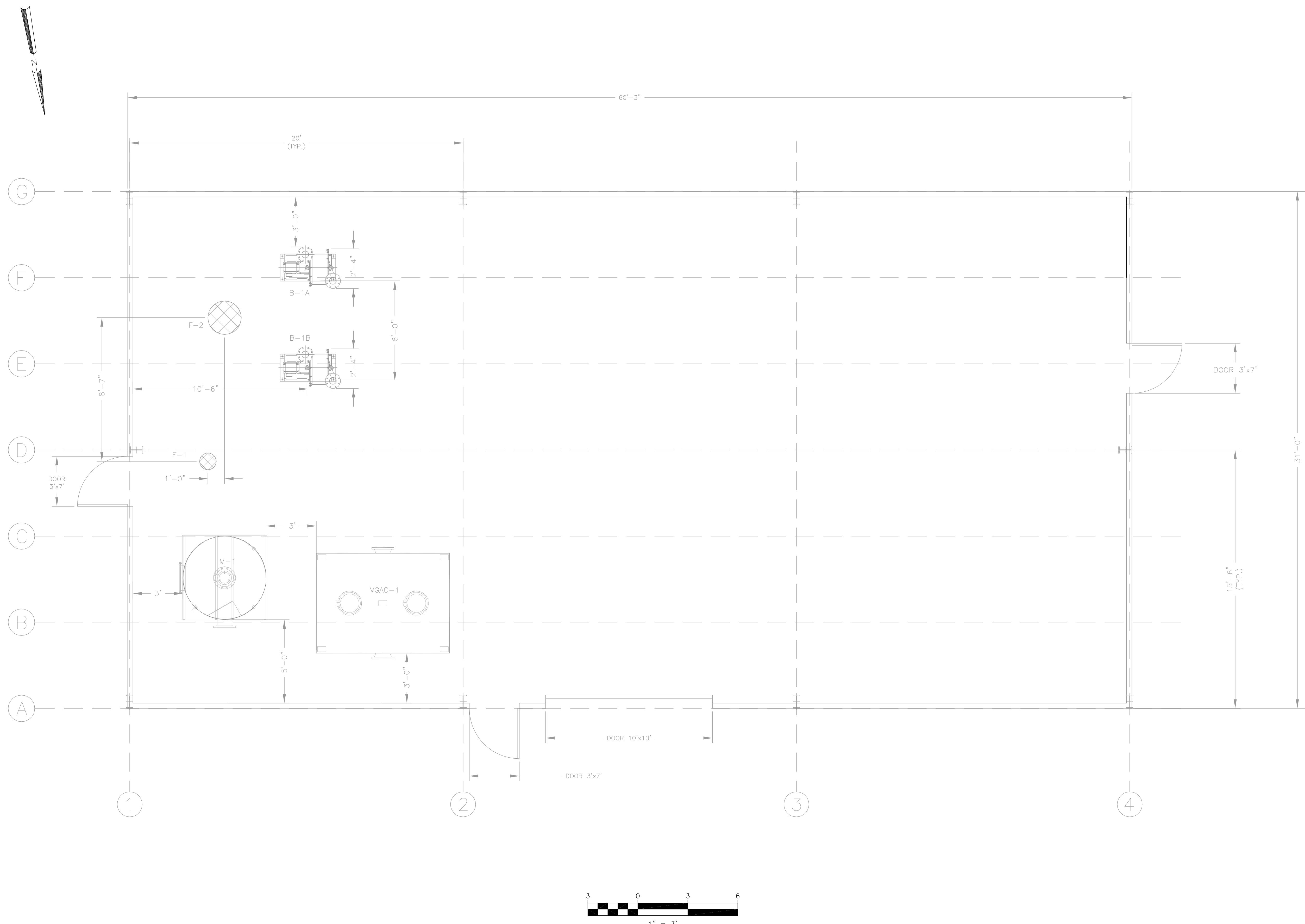
H&S Environmental, Inc.





NOTES:

1. ALL MAN DOORS AND OVERHEAD DOORS ARE EXISTING. MAN DOORS ARE APPROXIMATELY 7'x3'. OVERHEAD DOOR IS APPROXIMATELY 10'x10'.



PROCESS EQUIPMENT LIST			
ITEM NUMBER	NUMBER REQUIRED	NAME/DESCRIPTION	APPROVED
M-1	1	MOISTURE SEPARATOR -CONFIGURATION: VERTICAL, CYLINDRICAL -MATERIAL OF CONSTRUCTION: CARBON STEEL, EPOXY INTERIOR COATING, PAINT EXTERIOR COATING -CAPACITY: 400 GALLON CONDENSATE COLLECTION -DIMENSIONS: 5 FT DIA X 6 FEET HT, 718 GALLON	SGP 10-14-09 DLB
F-1	1	MAKE-UP AIR FILTER -CONFIGURATION: INTAKE FILTER/SILENCER COMBINATION HOUSING -MATERIAL OF CONSTRUCTION: CARBON STEEL, CORROSION RESISTANCE COATING -CAPACITY: 500 CFM AT 20 IW, 4 INCH FLANGED CONNECTION	SUBMITTED BY: (FIRM NAME) SOUTHWEST DIV. FPE: _____ OFFICER IN CHARGE: _____ APPROVED
F-2	1	BLOWER AIR FILTER -CONFIGURATION: INLINE VACUUM SERVICE FILTER -MATERIAL OF CONSTRUCTION: CARBON STEEL, CORROSION RESISTANCE COATING -CAPACITY: 1,200 CFM AT 35 IW, 10 INCH FLANGED CONNECTION	
B-1A, B-1B	2	SOIL VAPOR EXTRACTION BLOWER -CONFIGURATION: HORIZONTAL CENTRIFUGAL -RATING: 600 CFM AT 40 IW -MOTOR: 7.5 HP, 460V, 3PH, 60HZ, ODP	
VGAC-1	1	VAPOR-PHASE GRANULAR ACTIVATED CARBON -CONFIGURATION: RECTANGULAR TANK -MATERIAL OF CONSTRUCTION: CARBON STEEL, EPOXY INTERIOR COATING, EPOXY EXTERIOR COATING -RATING: 1,600 CFM AT 3 IW, 2,000 CFM AT 6 IW -CAPACITY: 5,000 LBS CARBON -DIMENSIONS: 6' X 8' FOOTPRINT, 6' 8" HT	

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND, MID-ATLANTIC NAVAL WEAPONS INDUSTRIAL RESERVE PLANT SITE 1, FORMER DRUM MARSHALLING AREA SOIL VAPOR EXTRACTION SYSTEM LAYOUT PLAN		THIS DRAWING PRODUCED ON AUTOCAD DO NOT REVISE MANUALLY
SEAL AREA	SAT TO	DATE
CODE I.D. NO.	SCALE : AS SHOWN	SPEC. NO.
CONSTR. CONTR. NO. N62473-10-D-3211	NAVFAc DRAWING NO.	Figure 4
SHEET D	OF DIS. SH. NO.	SIZE: 1 - 3
IT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, ARTICLE 145, FOR ANY PERSON UNLESS UNDER THE DIRECTION OF A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DOCUMENT IN ANY WAY.		

APPENDIX A
NYSDEC Air Permit Equivalent Approval

New York State Department of Environmental Conservation

Division of Environmental Remediation

Bureau of Remedial Action A

625 Broadway, 11th Floor

Albany, New York 12233-7015

Phone: (518) 402-9625 • Fax: (518) 402-9022



Website: www.dec.state.ny.us

February 5, 2010

Lora Fly, Project Manager
Naval Facilities Engineering Command-Midlant
9742 Maryland Avenue
Norfolk, VA 23511-3095

RE: Naval Weapons Industrial Research Plant(NWIRP)
Site-Bethpage, NYSDEC No. 1-30-003B.

Dear Ms. Fly:

Tetra Tech FW, on behalf of the Department of the Navy (Navy), has submitted the enclosed New York State Department of Environmental Conservation (NYSDEC) Division of Air Resources (DAR) Air Permit Application as a permit equivalent. This DAR Air permit equivalent is for the soil vapor extraction system at Site 1 of Plant 3 of the former Naval Weapons Industrial Reserve Plant (NWIRP) site in Bethpage, NY. The NYSDEC Division of Environmental Remediation (DER) has reviewed the permit equivalent and, by means of this letter approves the Site 1 remedy air discharge for immediate operation.

The NWIRP Site 1 SVE system utilizes the reasonably available control technology (RACT) with activated carbon. The air discharge will be periodically monitored at start up and will be added for routine monitoring in the operation, maintenance and monitoring (OMM) plan, to be submitted shortly for Departmental review.

If you have any questions, please contact me at your earliest convenience at (518)402-9620.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven M. Scharf".

Steven M. Scharf, P.E.
Project Engineer
Division of Environmental Remediation
Bureau of Remedial Action A

Enclosure

ec/w/enc: J. Swartwout/S. Scharf/File

W. Parish, Region 1 NYSDEC

A. J. Shah, Region 1 NYSDEC

S. Patselos, Tetra Tech FW

J. Cofman, Northrop Grumman

E docs: Region 1, Nassau, Oyster Bay (T): NWIRP Bethpage 130003B-OU1-OMM

New York State Department of Environmental Conservation
Air Permit Application



DEC ID
- - - - -

APPLICATION ID
- - - / - - -

OFFICE USE ONLY
/ / / / /

Section I - Certification

Title V Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information [required pursuant to 6 NYCRR 201-6.3(d)] I believe the information is, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Responsible Official	Title
Signature	Date / /

State Facility Certification

I certify that this facility will be operated in conformance with all provisions of existing regulations.

Responsible Official	Title
Signature	Date / /

Section II - Identification Information

Title V Facility Permit N/A	<input type="checkbox"/> New <input type="checkbox"/> Significant Modification <input type="checkbox"/> Renewal <input type="checkbox"/> Minor Modification	<input type="checkbox"/> Administrative Amendment	General Permit Title: _____	State Facility Permit N/A	<input type="checkbox"/> New <input type="checkbox"/> Modification
<input checked="" type="checkbox"/> Application involves construction of new facility			<input type="checkbox"/> Application involves construction of new emission unit(s)		

Owner/Firm

Name US Navy / NAVFAC Midlant	Street Address 9742 Maryland Ave, Bldg Z-144	City Norfolk	State VA	Country US	Zip 23511 - 3095
Owner Classification <input checked="" type="checkbox"/> Federal <input type="checkbox"/> Corporation/Partnership		<input type="checkbox"/> State <input type="checkbox"/> Individual	<input type="checkbox"/> Municipal	Taxpayer ID <input type="checkbox"/>	

Facility

Name Naval Weapons Industrial Reserve Plant (NWIRP) Site 1	<input type="checkbox"/> Confidential
Location Address Bethpage	
<input type="checkbox"/> City / <input checked="" type="checkbox"/> Town / <input type="checkbox"/> Village Oyster Bay, New York	Zip 11714

Project Description

Continuation Sheet(s)

Vapor phase granular activated carbon to remove VOCs from soil/gas

Owner/Firm Contact Mailing Address

Name (Last, First, Middle Initial) Fly, Lora	Phone No. (757) 444-0781	
Affiliation Department of the Navy	Title Remedial PM	Fax No. ()

Street Address 9742 Maryland Ave, Bldg Z-144

City Norfolk

State VA Country US Zip 23511-3095

Facility Contact Mailing Address

Name (Last, First, Middle Initial)

Phone No. ()

Affiliation

Fax No. ()

Street Address

City

State Country Zip

**New York State Department of Environmental Conservation
Air Permit Application**



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Section III - Facility Information

Classification

Hospital Residential Educational/Institutional Commercial Industrial Utility

Affected States (Title V Only) N/A

<input type="checkbox"/> Vermont	<input type="checkbox"/> Massachusetts	<input type="checkbox"/> Rhode Island	<input type="checkbox"/> Pennsylvania	Tribal Land:
<input type="checkbox"/> New Hampshire	<input type="checkbox"/> Connecticut	<input type="checkbox"/> New Jersey	<input type="checkbox"/> Ohio	Tribal Land:

SIC Codes

9999											

Facility Description

Continuation Sheet(s)

Soil vapor remediation by SVE followed by vapor phase GAC

Compliance Statements (Title V Only) N/A

I certify that as of the date of this application the facility is in compliance with all applicable requirements: YES NO

If one or more emission units at the facility are not in compliance with all applicable requirements at the time of signing this application (the 'NO' box must be checked), the noncomplying units must be identified in the "Compliance Plan" block on page 8 of this form along with the compliance plan information required. For all emission units at this facility that are operating in compliance with all applicable requirements complete the following:

- This facility will continue to be operated and maintained in such a manner as to assure compliance for the duration of the permit, except those units referenced in the compliance plan portion of Section IV of this application.
- For all emission units, subject to any applicable requirements that will become effective during the term of the permit, this facility will meet all such requirements on a timely basis.
- Compliance certification reports will be submitted at least once a year. Each report will certify compliance status with respect to each requirement, and the method used to determine the status.

Facility Applicable Federal Requirements N/A

Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

Facility State Only Requirements

Continuation Sheet(s)

Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause

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Section III - Facility Information (continued)

Facility Compliance Certification <input type="checkbox"/> N/A								<input type="checkbox"/> Continuation Sheet(s)	
Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
<input type="checkbox"/> Applicable Federal Requirement	<input type="checkbox"/> Capping			CAS No.	Contaminant Name				
<input type="checkbox"/> State Only Requirement									
Monitoring Information									
<input type="checkbox"/> Ambient Air Monitoring			<input type="checkbox"/> Work Practice Involving Specific Operations			<input type="checkbox"/> Record Keeping/Maintenance Procedures			
Description									
<hr/> <hr/> <hr/> <hr/> <hr/>									
Work Practice	Process Material					Reference Test Method			
Type	Code	Description							
<hr/>									
Parameter					Manufacturer Name/Model No.				
Code	Description								
<hr/>									
Limit			Limit Units						
Upper	Lower	Code	Description						
<hr/>									
Averaging Method			Monitoring Frequency			Reporting Requirements			
Code	Description	Code	Description		Code	Description			
<hr/>									

Facility Emissions Summary			<input type="checkbox"/> Continuation Sheet(s)		
CAS No.	Contaminant Name		PTE (lbs/yr)	Range Code	Actual (lbs/yr)
NY075 - 00 - 5	PM-10				
NY075 - 00 - 0	PARTICULATES				
7446 - 09 - 5	SULFUR DIOXIDE				
NY210 - 00 - 0	OXIDES OF NITROGEN				
630 - 08 - 0	CARBON MONOXIDE				
7439 - 92 - 1	LEAD				
NY998 - 00 - 0	VOC		1,222		
NY100 - 00 - 0	HAP		1,813		
00071 - 55 - 6	1,1,1-Trichloroethane (Methyl Chloroform)		591		
00127 - 18 - 4	Tetrachloroethylene		8		
00079 - 01 - 6	Trichloroethylene		1,181		
00075 - 34 - 3	1,1-Dichloroethane		11		
00075 - 35 - 4	1,1-Dichloroethylene (Vinylidene Chloride)		16		

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Section III - Facility Information

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Section IV - Emission Unit Information

Emission Unit Description					<input type="checkbox"/> Continuation Sheet(s)
EMISSION UNIT	1 - 00	E U 1	Effluent from first soil vapor extraction blower (BL-1)		
Vapor Phase Granular Activated Carbon Unit. The emission point is stack OOST-2					

Building					<input type="checkbox"/> Continuation Sheet(s)
Building	Building Name		Length (ft)	Width (ft)	Orientation
03-35	Treatment Building		60	40	0

Emission Point					<input type="checkbox"/> Continuation Sheet(s)
EMISSION PT.	00512				
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section
	36	60	8	70	Length (in) Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft) Date of Removal
	1,000			03-35	100†
EMISSION PT.	00512				
Ground Elev. (ft)	Height (ft)	Height Above Structure (ft)	Inside Diameter (in)	Exit Temp. (°F)	Cross Section
					Length (in) Width (in)
Exit Velocity (FPS)	Exit Flow (ACFM)	NYTM (E) (KM)	NYTM (N) (KM)	Building	Distance to Property Line (ft) Date of Removal

Emission Source/Control					<input type="checkbox"/> Continuation Sheet(s)
Emission Source	Date of Construction	Date of Operation	Date of Removal	Control Type	Manufacturer's Name/Model No.
ID	Type			Code Description	
BL1/2	1			048 Granular Act. Carbon	Tetrasolv Filtration
Design Capacity	Design Capacity Units			Waste Feed	Waste Type
	Code	Description		Code Description	Code Description
Emission Source	Date of Construction	Date of Operation	Date of Removal	Control Type	Manufacturer's Name/Model No.
ID	Type			Code Description	
Design Capacity	Design Capacity Units			Waste Feed	Waste Type
	Code	Description		Code Description	Code Description

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Section IV - Emission Unit Information (continued)

Process Information					<input type="checkbox"/> Continuation Sheet(s)		
EMISSION UNIT	1 - 00 EU1				PROCESS	SVE	
Description							
<p>The Soil Vapor Extraction System will consist of 12 SVE wells (6 intermediate and 6 deep), a moisture separator, and 2 soil vapor extraction blowers (BL-1 and BL-2) which both vent to a vapor phase granular activated carbon unit for treatment prior to discharge from stack #007A. The VGAC unit will be a 5,000 pound unit, filled with Tetrasolv Virgin Carbon. The VGAC unit has been designed to operate nominally at 600 cfm, with a maximum of 1,000 cfm.</p>							
Source Classification Code (SCC)		Total Thruput		Thruput Quantity Units			
		Quantity/Hr	Quantity/Yr	Code	Description		
<input type="checkbox"/> Confidential <input checked="" type="checkbox"/> Operating at Maximum Capacity <input type="checkbox"/> Activity with Insignificant Emissions		Operating Schedule		Building	Floor/Location		
		Hrs/Day	Days/Yr				
		24	365				
Emission Source/Control Identifier(s)							
BL-1	BL-2						
EMISSION UNIT	-				PROCESS		
Description							
Source Classification Code (SCC)		Total Thruput		Thruput Quantity Units			
		Quantity/Hr	Quantity/Yr	Code	Description		
<input type="checkbox"/> Confidential <input type="checkbox"/> Operating at Maximum Capacity <input type="checkbox"/> Activity with Insignificant Emissions		Operating Schedule		Building	Floor/Location		
		Hrs/Day	Days/Yr				
Emission Source/Control Identifier(s)							

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Section IV - Emission Unit Information (continued)

Emission Unit	Emission Point	Process	Emission Source	Emission Unit Applicable Federal Requirements								<input type="checkbox"/> Continuation Sheet(s)	
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
-	-	-	-										
-	-	-	-										
-	-	-	-										
-	-	-	-										

Emission Unit	Emission Point	Process	Emission Source	Emission Unit State Only Requirements								<input type="checkbox"/> Continuation Sheet(s)	
				Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.	Clause	Sub Clause
-	-	-	-										
-	-	-	-										
-	-	-	-										
-	-	-	-										

Emission Unit Compliance Certification										<input type="checkbox"/> Continuation Sheet(s)		
Rule Citation												
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause			
6	NYCRR	212	-	-	-	-	-	-	-			
<input type="checkbox"/> Applicable Federal Requirement				<input type="checkbox"/> State Only Requirement				<input type="checkbox"/> Capping				
Emission Unit	Emission Point	Process	Emission Source	CAS No.				Contaminant Name				
1-00EU1	00STA2	SVE		00079-01-6				Trichloroethylene				
Monitoring Information												
<input type="checkbox"/> Continuous Emission Monitoring <input checked="" type="checkbox"/> Intermittent Emission Testing <input type="checkbox"/> Ambient Air Monitoring				<input type="checkbox"/> Monitoring of Process or Control Device Parameters as Surrogate <input type="checkbox"/> Work Practice Involving Specific Operations <input type="checkbox"/> Record Keeping/Maintenance Procedures								
Description												
Monthly grab samples analyzed for VOCs from the VGAC unit influent and effluent												
Work Practice	Process Material								Reference Test Method			
Type	Code	Description										
Parameter												
Code	Description								Manufacturer Name/Model No.			
23	Concentration											
Limit				Limit Units								
Upper	Lower			Code	Description							
36,000				255	micrograms per cubic meter							
Averaging Method				Monitoring Frequency				Reporting Requirements				
Code	Description			Code	Description			Code	Description			
01	Instantaneous			05	Monthly			10	Upon Request			

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Section IV - Emission Unit Information (continued)

Determination of Non-Applicability (Title V Only) <input checked="" type="checkbox"/> N/A <input type="checkbox"/> Continuation Sheet(s)									
Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
Emission Unit	Emission Point	Process	Emission Source			<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement			
Description									
Rule Citation									
Title	Type	Part	Sub Part	Section	Sub Division	Paragraph	Sub Paragraph	Clause	Sub Clause
Emission Unit	Emission Point	Process	Emission Source			<input type="checkbox"/> Applicable Federal Requirement <input type="checkbox"/> State Only Requirement			
Description									
Process Emissions Summary <input type="checkbox"/> Continuation Sheet(s)									
EMISSION UNIT	PROCESS <input checked="" type="checkbox"/> SVE								
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined	
00071-55-6	1,1,1-Trichloroethane					80	0.34	02	
PTE				Standard Units	PTE How Determined	Actual			
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)			
0.07	591			02					
EMISSION UNIT	PROCESS <input checked="" type="checkbox"/> SVE								
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined	
00127-18-4	Tetrachloroethylene					80	0.00	02	
PTE				Standard Units	PTE How Determined	Actual			
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)			
0.00 BRT	8			02					
EMISSION UNIT	PROCESS <input checked="" type="checkbox"/> SVE								
CAS No.	Contaminant Name			% Thruput	% Capture	% Control	ERP (lbs/hr)	ERP How Determined	
00079-01-6	Trichloroethylene					80	0.67	02	
PTE				Standard Units	PTE How Determined	Actual			
(lbs/hr)	(lbs/yr)	(standard units)	(lbs/hr)			(lbs/yr)			
0.13	1,181			02					

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Section IV - Emission Unit Information (continued)

EMISSION UNIT	Emission Unit Emissions Summary				<input checked="" type="checkbox"/> Continuation Sheet(s)
i-000EU1					
CAS No.	Contaminant Name				
00075-34-3	1,1-Dichloroethane				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	11			
CAS No.	Contaminant Name				
00075-35-4	1,1-Dichloroethylene (Vinylidene Chloride)				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	16			
CAS No.	Contaminant Name				
00540-59-0	cis-1,2-Dichloroethene				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	5			
CAS No.	Contaminant Name				
00107-06-2	1,2-Dichloroethane				
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	BRT			

Compliance Plan N/A										<input type="checkbox"/> Continuation Sheet(s)
For any emission units which are not in compliance at the time of permit application, the applicant shall complete the following										
Consent Order			Certified progress reports are to be submitted every 6 months beginning 1/1							
Emission Unit	Process	Emission Source	Applicable Federal Requirement							
			Title	Type	Part	Sub Part	Section	Sub Division	Parag.	Sub Parag.
Remedial Measure / Intermediate Milestones								R/I	Date Scheduled	

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Section IV - Emission Unit Information

EMISSION UNIT		Emission Unit Emissions Summary (continuation)			
1 - 00 EU 1					
CAS No.		Contaminant Name			
00156-60-5	trans-1,2-Dichloroethene	PTE Emissions		Actual	
ERP (lbs/yr)	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	BRT			
CAS No.		Contaminant Name			
00015-01-4	Vinyl Chloride	PTE Emissions		Actual	
ERP (lbs/yr)	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
	BRT	BRT			
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	
CAS No.		Contaminant Name			
ERP (lbs/yr)	PTE Emissions		Actual		
	(lbs/hr)	(lbs/yr)	(lbs/hr)	(lbs/yr)	

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Section IV - Emission Unit Information (continued)

Request for Emission Reduction Credits						<input type="checkbox"/> Continuation Sheet(s)	
EMISSION UNIT	- - - - -						
Emission Reduction Description							
Contaminant Emission Reduction Data							
Baseline Period ____ / ____ to ____ / ____						Reduction	
						Date	Method
						/ /	
CAS No.	Contaminant Name					ERC (lbs/yr)	
						Netting	Offset
- -							
- -							
- -							
Facility to Use Future Reduction							
Name						APPLICATION ID	
						/ - - - -	/ / / / /
Location Address							
<input type="checkbox"/> City / <input type="checkbox"/> Town / <input type="checkbox"/> Village						State	Zip

Use of Emission Reduction Credits						<input type="checkbox"/> Continuation Sheet(s)	
EMISSION UNIT	- - - - -						
Proposed Project Description							
Contaminant Emissions Increase Data							
CAS No.	Contaminant Name					PEP (lbs/yr)	
- -							
Statement of Compliance							
<input type="checkbox"/> All facilities under the ownership of this "ownership/firm" are operating in compliance with all applicable requirements and state regulations including any compliance certification requirements under Section 114(a)(3) of the Clean Air Act Amendments of 1990, or are meeting the schedule of a consent order.							
Source of Emission Reduction Credit - Facility							
Name						PERMIT ID	
						/ - - - -	/ / / / /
Location Address							
<input type="checkbox"/> City / <input type="checkbox"/> Town / <input type="checkbox"/> Village						State	Zip
Emission Unit	CAS No.	Contaminant Name			ERC (lbs/yr)		
					Netting	Offset	
- -	- -						
- -	- -						
- -	- -						

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Supporting Documentation

- P.E. Certification (form attached)
- List of Exempt Activities (form attached)
- Plot Plan
- Methods Used to Determine Compliance (form attached)
- Calculations
 - Air Quality Model (____ / ____ / ____)
 - Confidentiality Justification
 - Ambient Air Monitoring Plan (____ / ____ / ____)
 - Stack Test Protocols/Reports (____ / ____ / ____)
 - Continuous Emissions Monitoring Plans/QA/QC (____ / ____ / ____)
 - MACT Demonstration (____ / ____ / ____)
 - Operational Flexibility: Description of Alternative Operating Scenarios and Protocols
 - Title IV: Application/Registration
 - ERC Quantification (form attached)
 - Use of ERC(s) (form attached)
 - Baseline Period Demonstration
 - Analysis of Contemporaneous Emission Increase/Decrease
 - LAER Demonstration (____ / ____ / ____)
 - BACT Demonstration (____ / ____ / ____)
- Other Document(s): _____ (____ / ____ / ____)

APPENDIX B
Laboratory Analytical Data

January 2012 Monthly Data

2/3/2012

Ms. Jennifer Good
H&S Environmental
160 East Main Street #2F

Westborough MA 01581

Project Name: NWIRP Bethpage Site 1

Project #: 2031-004
Workorder #: 1201369

Dear Ms. Jennifer Good

The following report includes the data for the above referenced project for sample(s) received on 1/23/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1201369

Work Order Summary

CLIENT:	Ms. Jennifer Good H&S Environmental 160 East Main Street #2F Westborough, MA 01581	BILL TO:	Accounts Payable H&S Environmental 160 East Main Street #2F Westborough, MA 01581
PHONE:	508-366-7442	P.O. #	2031-004
FAX:	508-366-7445	PROJECT #	2031-004 NWIRP Bethpage Site 1
DATE RECEIVED:	01/23/2012	CONTACT:	Ausha Scott
DATE COMPLETED:	02/02/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVE-Site1-TI-011912	Modified TO-15	5.0 "Hg	5 psi
02A	SVE-Site1-TE-011912	Modified TO-15	4.0 "Hg	5 psi
03A	SVE-Site1-TI-DUP-011912	Modified TO-15	3.4 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



DATE: 02/02/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
H&S Environmental
Workorder# 1201369

Three 6 Liter Summa Canister samples were received on January 23, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

A sample duplicate was not analyzed on MSDO on 1/25/12 as specified for the project. A LCS Duplicate (LCSD) was analyzed with this analytical batch to provide a measure of analytical precision. All compounds met the method requirement of <25%RPD.

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-011912	Date/Time Analyzed:	1/26/12 11:48 AM		
Lab ID:	1201369-01A	Dilution Factor:	1.61		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012539		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.73	1.8	4.4	290
1,1,2,2-Tetrachloroethane	79-34-5	0.85	2.2	5.5	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.99	1.8	4.4	Not Detected U
1,1-Dichloroethane	75-34-3	0.47	1.3	3.2	20
1,1-Dichloroethene	75-35-4	0.70	1.3	3.2	1.9 J
1,2,4-Trichlorobenzene	120-82-1	1.5	4.8	24	2.2 J
1,2,4-Trimethylbenzene	95-63-6	1.3	1.6	4.0	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.63	2.5	6.2	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.59	1.9	4.8	Not Detected U
1,2-Dichloroethane	107-06-2	0.58	1.3	3.2	1.3 J
1,2-Dichloropropane	78-87-5	0.47	1.5	3.7	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.37	1.6	4.0	Not Detected U
1,3-Butadiene	106-99-0	1.6	0.71	1.8	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.41	1.9	4.8	0.84 J
1,4-Dichlorobenzene	106-46-7	0.85	1.9	4.8	0.88 J
1,4-Dioxane	123-91-1	1.0	2.3	12	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.42	1.5	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.75	1.9	9.5	Not Detected U
2-Hexanone	591-78-6	0.54	2.6	13	Not Detected U
2-Propanol	67-63-0	1.7	1.6	7.9	Not Detected U
3-Chloropropene	107-05-1	2.8	2.0	10	Not Detected U
4-Ethyltoluene	622-96-8	0.44	1.6	4.0	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-011912	Date/Time Analyzed:	1/26/12 11:48 AM		
Lab ID:	1201369-01A	Dilution Factor:	1.61		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012539		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.58	1.3	3.3	Not Detected U
Acetone	67-64-1	1.6	1.5	7.6	7.5
alpha-Chlorotoluene	100-44-7	0.52	1.7	4.2	Not Detected U
Benzene	71-43-2	0.38	1.0	2.6	Not Detected U
Bromodichloromethane	75-27-4	0.42	2.2	5.4	Not Detected U
Bromoform	75-25-2	0.97	3.3	8.3	Not Detected U
Bromomethane	74-83-9	1.3	1.2	3.1	Not Detected U
Carbon Disulfide	75-15-0	0.39	2.0	10	2.0 J
Carbon Tetrachloride	56-23-5	0.58	2.0	5.1	4.8 J
Chlorobenzene	108-90-7	0.60	1.5	3.7	1.2 J
Chloroethane	75-00-3	2.0	3.4	8.5	Not Detected U
Chloroform	67-66-3	0.60	1.6	3.9	3.2 J
Chloromethane	74-87-3	2.3	1.3	6.6	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.57	1.3	3.2	180
cis-1,3-Dichloropropene	10061-01-5	0.52	1.5	3.6	Not Detected U
Cumene	98-82-8	0.33	1.6	4.0	8.9
Cyclohexane	110-82-7	0.66	1.1	2.8	Not Detected U
Dibromochloromethane	124-48-1	1.2	2.7	6.8	Not Detected U
Ethanol	64-17-5	1.6	1.2	6.1	Not Detected U
Ethyl Benzene	100-41-4	0.38	1.4	3.5	Not Detected U
Freon 11	75-69-4	0.56	1.8	4.5	3.8 J
Freon 113	76-13-1	1.7	2.5	6.2	68



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-011912	Date/Time Analyzed:	1/26/12 11:48 AM		
Lab ID:	1201369-01A	Dilution Factor:	1.61		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012539		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	2.9	2.2	5.6	Not Detected U
Freon 12	75-71-8	1.2	1.6	4.0	3.2 J
Heptane	142-82-5	0.57	1.3	3.3	Not Detected U
Hexachlorobutadiene	87-68-3	2.6	6.9	34	Not Detected U
Hexane	110-54-3	0.42	1.1	2.8	Not Detected U
m,p-Xylene	108-38-3	0.68	1.4	3.5	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.49	1.2	2.9	Not Detected U
Methylene Chloride	75-09-2	0.49	1.1	2.8	7.2
o-Xylene	95-47-6	0.50	1.4	3.5	Not Detected U
Propylbenzene	103-65-1	0.23	1.6	4.0	Not Detected U
Styrene	100-42-5	0.41	1.4	3.4	Not Detected U
Tetrachloroethene	127-18-4	0.68	2.2	5.5	610
Tetrahydrofuran	109-99-9	0.90	0.95	2.4	2.3
Toluene	108-88-3	0.37	1.2	3.0	0.79 J
trans-1,2-Dichloroethene	156-60-5	1.2	1.3	3.2	1.9 J
trans-1,3-Dichloropropene	10061-02-6	0.40	1.5	3.6	0.51 J
Trichloroethene	79-01-6	0.91	1.7	4.3	1100
Vinyl Chloride	75-01-4	1.1	0.82	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-011912	Date/Time Analyzed:	1/26/12 11:48 AM
Lab ID:	1201369-01A	Dilution Factor:	1.61
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012539
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	121
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	104



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TE-011912	Date/Time Analyzed:	1/26/12 12:12 PM		
Lab ID:	1201369-02A	Dilution Factor:	1.55		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012540		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.71	1.7	4.2	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.82	2.1	5.3	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.96	1.7	4.2	Not Detected U
1,1-Dichloroethane	75-34-3	0.46	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.68	1.2	3.1	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	1.4	4.6	23	1.6 J
1,2,4-Trimethylbenzene	95-63-6	1.2	1.5	3.8	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.61	2.4	6.0	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.56	1.9	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.56	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.45	1.4	3.6	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.36	1.5	3.8	Not Detected U
1,3-Butadiene	106-99-0	1.5	0.68	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.39	1.9	4.6	0.49 J
1,4-Dichlorobenzene	106-46-7	0.81	1.9	4.6	Not Detected U
1,4-Dioxane	123-91-1	1.0	2.2	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.41	1.4	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.73	1.8	9.1	1.6 J
2-Hexanone	591-78-6	0.52	2.5	13	Not Detected U
2-Propanol	67-63-0	1.6	1.5	7.6	Not Detected U
3-Chloropropene	107-05-1	2.7	1.9	9.7	Not Detected U
4-Ethyltoluene	622-96-8	0.43	1.5	3.8	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TE-011912	Date/Time Analyzed:	1/26/12 12:12 PM		
Lab ID:	1201369-02A	Dilution Factor:	1.55		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012540		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.56	1.3	3.2	Not Detected U
Acetone	67-64-1	1.6	1.5	7.4	8.2
alpha-Chlorotoluene	100-44-7	0.50	1.6	4.0	Not Detected U
Benzene	71-43-2	0.37	0.99	2.5	Not Detected U
Bromodichloromethane	75-27-4	0.40	2.1	5.2	Not Detected U
Bromoform	75-25-2	0.93	3.2	8.0	Not Detected U
Bromomethane	74-83-9	1.2	1.2	3.0	Not Detected U
Carbon Disulfide	75-15-0	0.38	1.9	9.6	1.1 J
Carbon Tetrachloride	56-23-5	0.56	2.0	4.9	Not Detected U
Chlorobenzene	108-90-7	0.58	1.4	3.6	1.1 J
Chloroethane	75-00-3	2.0	3.3	8.2	Not Detected U
Chloroform	67-66-3	0.58	1.5	3.8	Not Detected U
Chloromethane	74-87-3	2.2	1.3	6.4	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.55	1.2	3.1	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.50	1.4	3.5	Not Detected U
Cumene	98-82-8	0.31	1.5	3.8	3.9
Cyclohexane	110-82-7	0.63	1.1	2.7	Not Detected U
Dibromochloromethane	124-48-1	1.1	2.6	6.6	Not Detected U
Ethanol	64-17-5	1.5	1.2	5.8	Not Detected U
Ethyl Benzene	100-41-4	0.37	1.3	3.4	Not Detected U
Freon 11	75-69-4	0.54	1.7	4.4	Not Detected U
Freon 113	76-13-1	1.7	2.4	5.9	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TE-011912	Date/Time Analyzed:	1/26/12 12:12 PM		
Lab ID:	1201369-02A	Dilution Factor:	1.55		
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012540		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	2.8	2.2	5.4	Not Detected U
Freon 12	75-71-8	1.2	1.5	3.8	3.4 J
Heptane	142-82-5	0.55	1.3	3.2	Not Detected U
Hexachlorobutadiene	87-68-3	2.5	6.6	33	Not Detected U
Hexane	110-54-3	0.41	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.65	1.3	3.4	0.74 J
Methyl tert-butyl ether	1634-04-4	0.47	1.1	2.8	Not Detected U
Methylene Chloride	75-09-2	0.47	1.1	2.7	0.87 J
o-Xylene	95-47-6	0.48	1.3	3.4	Not Detected U
Propylbenzene	103-65-1	0.22	1.5	3.8	Not Detected U
Styrene	100-42-5	0.40	1.3	3.3	Not Detected U
Tetrachloroethene	127-18-4	0.66	2.1	5.2	Not Detected U
Tetrahydrofuran	109-99-9	0.87	0.91	2.3	Not Detected U
Toluene	108-88-3	0.36	1.2	2.9	0.44 J
trans-1,2-Dichloroethene	156-60-5	1.2	1.2	3.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.38	1.4	3.5	0.53 J
Trichloroethene	79-01-6	0.88	1.7	4.2	1.3 J
Vinyl Chloride	75-01-4	1.1	0.79	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TE-011912	Date/Time Analyzed:	1/26/12 12:12 PM
Lab ID:	1201369-02A	Dilution Factor:	1.55
Date/Time Collecte	1/19/12 12:30 PM	Instrument/Filename:	msdo.i / o012540
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	122
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	104



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-DUP-011912	Date/Time Analyzed:	1/26/12 12:56 PM		
Lab ID:	1201369-03A	Dilution Factor:	1.51		
Date/Time Collecte	1/19/12 01:00 PM	Instrument/Filename:	msdo.i / o012541		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.69	1.6	4.1	300
1,1,2,2-Tetrachloroethane	79-34-5	0.80	2.1	5.2	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.93	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.44	1.2	3.0	21
1,1-Dichloroethene	75-35-4	0.66	1.2	3.0	1.6 J
1,2,4-Trichlorobenzene	120-82-1	1.4	4.5	22	1.8 J
1,2,4-Trimethylbenzene	95-63-6	1.2	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.59	2.3	5.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.55	1.8	4.5	Not Detected U
1,2-Dichloroethane	107-06-2	0.54	1.2	3.0	1.2 J
1,2-Dichloropropane	78-87-5	0.44	1.4	3.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.35	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	1.5	0.67	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.38	1.8	4.5	0.60 J
1,4-Dichlorobenzene	106-46-7	0.79	1.8	4.5	Not Detected U
1,4-Dioxane	123-91-1	0.99	2.2	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.40	1.4	3.5	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.71	1.8	8.9	Not Detected U
2-Hexanone	591-78-6	0.51	2.5	12	Not Detected U
2-Propanol	67-63-0	1.6	1.5	7.4	Not Detected U
3-Chloropropene	107-05-1	2.6	1.9	9.4	Not Detected U
4-Ethyltoluene	622-96-8	0.42	1.5	3.7	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-DUP-011912	Date/Time Analyzed:	1/26/12 12:56 PM		
Lab ID:	1201369-03A	Dilution Factor:	1.51		
Date/Time Collecte	1/19/12 01:00 PM	Instrument/Filename:	msdo.i / o012541		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.55	1.2	3.1	Not Detected U
Acetone	67-64-1	1.5	1.4	7.2	6.0 J
alpha-Chlorotoluene	100-44-7	0.48	1.6	3.9	0.55 J
Benzene	71-43-2	0.36	0.96	2.4	Not Detected U
Bromodichloromethane	75-27-4	0.39	2.0	5.0	Not Detected U
Bromoform	75-25-2	0.91	3.1	7.8	Not Detected U
Bromomethane	74-83-9	1.2	1.2	2.9	Not Detected U
Carbon Disulfide	75-15-0	0.37	1.9	9.4	1.1 J
Carbon Tetrachloride	56-23-5	0.54	1.9	4.8	4.6 J
Chlorobenzene	108-90-7	0.56	1.4	3.5	0.84 J
Chloroethane	75-00-3	1.9	3.2	8.0	Not Detected U
Chloroform	67-66-3	0.56	1.5	3.7	3.5 J
Chloromethane	74-87-3	2.2	1.2	6.2	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.53	1.2	3.0	190
cis-1,3-Dichloropropene	10061-01-5	0.49	1.4	3.4	Not Detected U
Cumene	98-82-8	0.31	1.5	3.7	5.9
Cyclohexane	110-82-7	0.62	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.1	2.6	6.4	Not Detected U
Ethanol	64-17-5	1.5	1.1	5.7	Not Detected U
Ethyl Benzene	100-41-4	0.36	1.3	3.3	Not Detected U
Freon 11	75-69-4	0.52	1.7	4.2	4.0 J
Freon 113	76-13-1	1.6	2.3	5.8	71



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-DUP-011912	Date/Time Analyzed:	1/26/12 12:56 PM		
Lab ID:	1201369-03A	Dilution Factor:	1.51		
Date/Time Collecte	1/19/12 01:00 PM	Instrument/Filename:	msdo.i / o012541		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	2.7	2.1	5.3	Not Detected U
Freon 12	75-71-8	1.1	1.5	3.7	3.7 J
Heptane	142-82-5	0.54	1.2	3.1	Not Detected U
Hexachlorobutadiene	87-68-3	2.4	6.4	32	Not Detected U
Hexane	110-54-3	0.40	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.64	1.3	3.3	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.46	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.46	1.0	2.6	1.3 J
o-Xylene	95-47-6	0.47	1.3	3.3	Not Detected U
Propylbenzene	103-65-1	0.22	1.5	3.7	Not Detected U
Styrene	100-42-5	0.39	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	0.64	2.0	5.1	640
Tetrahydrofuran	109-99-9	0.85	0.89	2.2	3.0
Toluene	108-88-3	0.35	1.1	2.8	0.46 J
trans-1,2-Dichloroethene	156-60-5	1.2	1.2	3.0	2.5 J
trans-1,3-Dichloropropene	10061-02-6	0.38	1.4	3.4	0.48 J
Trichloroethene	79-01-6	0.86	1.6	4.0	1100
Vinyl Chloride	75-01-4	1.0	0.77	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	SVE-Site1-TI-DUP-011912	Date/Time Analyzed:	1/26/12 12:56 PM
Lab ID:	1201369-03A	Dilution Factor:	1.51
Date/Time Collecte	1/19/12 01:00 PM	Instrument/Filename:	msdo.i / o012541
Media:	6 Liter Summa Canister		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	123
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	101



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	Lab Blank	Date/Time Analyzed:	1/26/12 09:04 AM		
Lab ID:	1201369-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012536a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.46	1.1	2.7	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.53	1.4	3.4	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.62	1.1	2.7	Not Detected U
1,1-Dichloroethane	75-34-3	0.29	0.81	2.0	Not Detected U
1,1-Dichloroethene	75-35-4	0.44	0.79	2.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	0.91	3.0	15	5.1 J
1,2,4-Trimethylbenzene	95-63-6	0.80	0.98	2.4	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.39	1.5	3.8	0.72 J
1,2-Dichlorobenzene	95-50-1	0.36	1.2	3.0	0.80 J
1,2-Dichloroethane	107-06-2	0.36	0.81	2.0	0.38 J
1,2-Dichloropropane	78-87-5	0.29	0.92	2.3	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.23	0.98	2.4	0.29 J
1,3-Butadiene	106-99-0	0.99	0.44	1.1	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.25	1.2	3.0	0.72 J
1,4-Dichlorobenzene	106-46-7	0.52	1.2	3.0	0.88 J
1,4-Dioxane	123-91-1	0.66	1.4	7.2	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.26	0.93	2.3	0.45 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.47	1.2	5.9	Not Detected U
2-Hexanone	591-78-6	0.34	1.6	8.2	Not Detected U
2-Propanol	67-63-0	1.0	0.98	4.9	Not Detected U
3-Chloropropene	107-05-1	1.7	1.2	6.3	Not Detected U
4-Ethyltoluene	622-96-8	0.27	0.98	2.4	0.49 J



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	Lab Blank	Date/Time Analyzed:	1/26/12 09:04 AM		
Lab ID:	1201369-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012536a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.36	0.82	2.0	Not Detected U
Acetone	67-64-1	1.0	0.95	4.8	Not Detected U
alpha-Chlorotoluene	100-44-7	0.32	1.0	2.6	0.55 J
Benzene	71-43-2	0.24	0.64	1.6	Not Detected U
Bromodichloromethane	75-27-4	0.26	1.3	3.4	Not Detected U
Bromoform	75-25-2	0.60	2.1	5.2	0.82 J
Bromomethane	74-83-9	0.81	0.78	1.9	Not Detected U
Carbon Disulfide	75-15-0	0.24	1.2	6.2	1.2 J
Carbon Tetrachloride	56-23-5	0.36	1.2	3.1	Not Detected U
Chlorobenzene	108-90-7	0.37	0.92	2.3	1.1 J
Chloroethane	75-00-3	1.3	2.1	5.3	Not Detected U
Chloroform	67-66-3	0.37	0.98	2.4	Not Detected U
Chloromethane	74-87-3	1.4	0.83	4.1	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.35	0.79	2.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.32	0.91	2.3	0.37 J
Cumene	98-82-8	0.20	0.98	2.4	Not Detected U
Cyclohexane	110-82-7	0.41	0.69	1.7	Not Detected U
Dibromochloromethane	124-48-1	0.73	1.7	4.2	Not Detected U
Ethanol	64-17-5	0.98	0.75	3.8	Not Detected U
Ethyl Benzene	100-41-4	0.24	0.87	2.2	0.24 J
Freon 11	75-69-4	0.35	1.1	2.8	Not Detected U
Freon 113	76-13-1	1.1	1.5	3.8	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	Lab Blank	Date/Time Analyzed:	1/26/12 09:04 AM		
Lab ID:	1201369-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012536a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.8	1.4	3.5	Not Detected U
Freon 12	75-71-8	0.75	0.99	2.5	Not Detected U
Heptane	142-82-5	0.36	0.82	2.0	Not Detected U
Hexachlorobutadiene	87-68-3	1.6	4.3	21	5.8 J
Hexane	110-54-3	0.26	0.70	1.8	Not Detected U
m,p-Xylene	108-38-3	0.42	0.87	2.2	0.59 J
Methyl tert-butyl ether	1634-04-4	0.30	0.72	1.8	Not Detected U
Methylene Chloride	75-09-2	0.30	0.69	1.7	0.58 J
o-Xylene	95-47-6	0.31	0.87	2.2	Not Detected U
Propylbenzene	103-65-1	0.14	0.98	2.4	0.28 J
Styrene	100-42-5	0.26	0.85	2.1	Not Detected U
Tetrachloroethene	127-18-4	0.42	1.4	3.4	0.53 J
Tetrahydrofuran	109-99-9	0.56	0.59	1.5	Not Detected U
Toluene	108-88-3	0.23	0.75	1.9	0.57 J
trans-1,2-Dichloroethene	156-60-5	0.78	0.79	2.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.25	0.91	2.3	0.67 J
Trichloroethene	79-01-6	0.57	1.1	2.7	0.60 J
Vinyl Chloride	75-01-4	0.69	0.51	1.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	Lab Blank	Date/Time Analyzed:	1/26/12 09:04 AM
Lab ID:	1201369-04A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012536a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	119
4-Bromofluorobenzene	460-00-4	75-126	103
Toluene-d8	2037-26-5	74-121	104



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	CCV	Date/Time Analyzed:	1/25/12 10:17 PM
Lab ID:	1201369-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012532
Media:	NA - Not Applicable		
Compound	CAS#		
1,1,1-Trichloroethane	71-55-6		
1,1,2,2-Tetrachloroethane	79-34-5		
1,1,2-Trichloroethane	79-00-5		
1,1-Dichloroethane	75-34-3		
1,1-Dichloroethene	75-35-4		
1,2,4-Trichlorobenzene	120-82-1		
1,2,4-Trimethylbenzene	95-63-6		
1,2-Dibromoethane (EDB)	106-93-4		
1,2-Dichlorobenzene	95-50-1		
1,2-Dichloroethane	107-06-2		
1,2-Dichloropropane	78-87-5		
1,3,5-Trimethylbenzene	108-67-8		
1,3-Butadiene	106-99-0		
1,3-Dichlorobenzene	541-73-1		
1,4-Dichlorobenzene	106-46-7		
1,4-Dioxane	123-91-1		
2,2,4-Trimethylpentane	540-84-1		
2-Butanone (Methyl Ethyl Ketone)	78-93-3		
2-Hexanone	591-78-6		
2-Propanol	67-63-0		
3-Chloropropene	107-05-1		
4-Ethyltoluene	622-96-8		



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	CCV	Date/Time Analyzed:	1/25/12 10:17 PM
Lab ID:	1201369-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012532
Media:	NA - Not Applicable		
Compound	CAS#		
4-Methyl-2-pentanone	108-10-1		
Acetone	67-64-1		
alpha-Chlorotoluene	100-44-7		
Benzene	71-43-2		
Bromodichloromethane	75-27-4		
Bromoform	75-25-2		
Bromomethane	74-83-9		
Carbon Disulfide	75-15-0		
Carbon Tetrachloride	56-23-5		
Chlorobenzene	108-90-7		
Chloroethane	75-00-3		
Chloroform	67-66-3		
Chloromethane	74-87-3		
cis-1,2-Dichloroethene	156-59-2		
cis-1,3-Dichloropropene	10061-01-5		
Cumene	98-82-8		
Cyclohexane	110-82-7		
Dibromochloromethane	124-48-1		
Ethanol	64-17-5		
Ethyl Benzene	100-41-4		
Freon 11	75-69-4		
Freon 113	76-13-1		



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	CCV	Date/Time Analyzed:	1/25/12 10:17 PM
Lab ID:	1201369-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012532
Media:	NA - Not Applicable		
Compound	CAS#		%Recovery
Freon 114	76-14-2		109
Freon 12	75-71-8		120
Heptane	142-82-5		100
Hexachlorobutadiene	87-68-3		102
Hexane	110-54-3		103
m,p-Xylene	108-38-3		99
Methyl tert-butyl ether	1634-04-4		104
Methylene Chloride	75-09-2		121
o-Xylene	95-47-6		97
Propylbenzene	103-65-1		103
Styrene	100-42-5		101
Tetrachloroethene	127-18-4		93
Tetrahydrofuran	109-99-9		115
Toluene	108-88-3		99
trans-1,2-Dichloroethene	156-60-5		101
trans-1,3-Dichloropropene	10061-02-6		107
Trichloroethene	79-01-6		104
Vinyl Chloride	75-01-4		108

Surrogates	CAS#	Limits	%Recovery



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	CCV	Date/Time Analyzed:	1/25/12 10:17 PM
Lab ID:	1201369-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012532
Media:	NA - Not Applicable		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	116
4-Bromofluorobenzene	460-00-4	70-130	102
Toluene-d8	2037-26-5	70-130	105



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	LCS	Date/Time Analyzed:	1/25/12 10:49 PM
Lab ID:	1201369-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012533a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		114
1,1,2,2-Tetrachloroethane	79-34-5		96
1,1,2-Trichloroethane	79-00-5		96
1,1-Dichloroethane	75-34-3		104
1,1-Dichloroethene	75-35-4		103
1,2,4-Trichlorobenzene	120-82-1		92
1,2,4-Trimethylbenzene	95-63-6		92
1,2-Dibromoethane (EDB)	106-93-4		99
1,2-Dichlorobenzene	95-50-1		91
1,2-Dichloroethane	107-06-2		116
1,2-Dichloropropane	78-87-5		104
1,3,5-Trimethylbenzene	108-67-8		89
1,3-Butadiene	106-99-0		118
1,3-Dichlorobenzene	541-73-1		92
1,4-Dichlorobenzene	106-46-7		90
1,4-Dioxane	123-91-1		97
2,2,4-Trimethylpentane	540-84-1		96
2-Butanone (Methyl Ethyl Ketone)	78-93-3		96
2-Hexanone	591-78-6		103
2-Propanol	67-63-0		112
3-Chloropropene	107-05-1		113
4-Ethyltoluene	622-96-8		89

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	LCS	Date/Time Analyzed:	1/25/12 10:49 PM
Lab ID:	1201369-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012533a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		104
Acetone	67-64-1		96
alpha-Chlorotoluene	100-44-7		99
Benzene	71-43-2		100
Bromodichloromethane	75-27-4		110
Bromoform	75-25-2		95
Bromomethane	74-83-9		110
Carbon Disulfide	75-15-0		120
Carbon Tetrachloride	56-23-5		127
Chlorobenzene	108-90-7		87
Chloroethane	75-00-3		105
Chloroform	67-66-3		108
Chloromethane	74-87-3		115
cis-1,2-Dichloroethene	156-59-2		93
cis-1,3-Dichloropropene	10061-01-5		104
Cumene	98-82-8		97
Cyclohexane	110-82-7		97
Dibromochloromethane	124-48-1		101
Ethanol	64-17-5		111
Ethyl Benzene	100-41-4		94
Freon 11	75-69-4		113
Freon 113	76-13-1		102

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	LCS	Date/Time Analyzed:	1/25/12 10:49 PM
Lab ID:	1201369-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012533a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		110
Freon 12	75-71-8		120
Heptane	142-82-5		93
Hexachlorobutadiene	87-68-3		91
Hexane	110-54-3		102
m,p-Xylene	108-38-3		95
Methyl tert-butyl ether	1634-04-4		103
Methylene Chloride	75-09-2		115
o-Xylene	95-47-6		94
Propylbenzene	103-65-1		97
Styrene	100-42-5		97
Tetrachloroethene	127-18-4		90
Tetrahydrofuran	109-99-9		107
Toluene	108-88-3		96
trans-1,2-Dichloroethene	156-60-5		110
trans-1,3-Dichloropropene	10061-02-6		103
Trichloroethene	79-01-6		103
Vinyl Chloride	75-01-4		109

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	LCS	Date/Time Analyzed:	1/25/12 10:49 PM
Lab ID:	1201369-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012533a
Media:	NA - Not Applicable		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	115
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	104

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	LCSD	Date/Time Analyzed:	1/25/12 11:07 PM
Lab ID:	1201369-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012534a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		116
1,1,2,2-Tetrachloroethane	79-34-5		94
1,1,2-Trichloroethane	79-00-5		94
1,1-Dichloroethane	75-34-3		109
1,1-Dichloroethene	75-35-4		106
1,2,4-Trichlorobenzene	120-82-1		96
1,2,4-Trimethylbenzene	95-63-6		91
1,2-Dibromoethane (EDB)	106-93-4		98
1,2-Dichlorobenzene	95-50-1		93
1,2-Dichloroethane	107-06-2		111
1,2-Dichloropropane	78-87-5		103
1,3,5-Trimethylbenzene	108-67-8		90
1,3-Butadiene	106-99-0		119
1,3-Dichlorobenzene	541-73-1		93
1,4-Dichlorobenzene	106-46-7		92
1,4-Dioxane	123-91-1		94
2,2,4-Trimethylpentane	540-84-1		102
2-Butanone (Methyl Ethyl Ketone)	78-93-3		97
2-Hexanone	591-78-6		100
2-Propanol	67-63-0		114
3-Chloropropene	107-05-1		118
4-Ethyltoluene	622-96-8		88

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	LCSD	Date/Time Analyzed:	1/25/12 11:07 PM
Lab ID:	1201369-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012534a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		103
Acetone	67-64-1		94
alpha-Chlorotoluene	100-44-7		97
Benzene	71-43-2		98
Bromodichloromethane	75-27-4		108
Bromoform	75-25-2		93
Bromomethane	74-83-9		111
Carbon Disulfide	75-15-0		122
Carbon Tetrachloride	56-23-5		133
Chlorobenzene	108-90-7		87
Chloroethane	75-00-3		103
Chloroform	67-66-3		108
Chloromethane	74-87-3		112
cis-1,2-Dichloroethene	156-59-2		94
cis-1,3-Dichloropropene	10061-01-5		102
Cumene	98-82-8		97
Cyclohexane	110-82-7		99
Dibromochloromethane	124-48-1		98
Ethanol	64-17-5		111
Ethyl Benzene	100-41-4		92
Freon 11	75-69-4		113
Freon 113	76-13-1		104

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN

NWIRP Bethpage Site 1

Client ID:	LCSD	Date/Time Analyzed:	1/25/12 11:07 PM
Lab ID:	1201369-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012534a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		108
Freon 12	75-71-8		118
Heptane	142-82-5		92
Hexachlorobutadiene	87-68-3		96
Hexane	110-54-3		107
m,p-Xylene	108-38-3		96
Methyl tert-butyl ether	1634-04-4		106
Methylene Chloride	75-09-2		117
o-Xylene	95-47-6		93
Propylbenzene	103-65-1		97
Styrene	100-42-5		96
Tetrachloroethene	127-18-4		88
Tetrahydrofuran	109-99-9		107
Toluene	108-88-3		94
trans-1,2-Dichloroethene	156-60-5		114
trans-1,3-Dichloropropene	10061-02-6		102
Trichloroethene	79-01-6		102
Vinyl Chloride	75-01-4		110

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
NWIRP Bethpage Site 1

Client ID:	LCSD	Date/Time Analyzed:	1/25/12 11:07 PM
Lab ID:	1201369-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdo.i / o012534a
Media:	NA - Not Applicable		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	119
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	104

* % Recovery is calculated using unrounded analytical results.

February 2012 Monthly Data

3/6/2012
Ms. Jennifer Good
H&S Environmental
160 East Main Street #2F

Westborough MA 01581

Project Name: Bethpage Site 1 Monthly
Project #: 2034-003
Workorder #: 1202426

Dear Ms. Jennifer Good

The following report includes the data for the above referenced project for sample(s) received on 2/20/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

A Eurofins Lancaster Laboratories Company

WORK ORDER #: 1202426

Work Order Summary

CLIENT:	Ms. Jennifer Good H&S Environmental 160 East Main Street #2F Westborough, MA 01581	BILL TO:	Accounts Payable H&S Environmental 160 East Main Street #2F Westborough, MA 01581
PHONE:	508-366-7442	P.O. #	12-297
FAX:	508-366-7445	PROJECT #	2034-003 Bethpage Site 1 Monthly
DATE RECEIVED:	02/20/2012	CONTACT:	Ausha Scott
DATE COMPLETED:	03/06/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IN-SVE-Site 1-01-021712	Modified TO-15	4.0 "Hg	5 psi
02A	IN-SVE-Site 1-02-021712	Modified TO-15	5.0 "Hg	5 psi
02AA	IN-SVE-Site 1-02-021712 Lab Duplicate	Modified TO-15	5.0 "Hg	5 psi
03A	EF-SVE-Site 1-021712	Modified TO-15	4.5 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:

DATE: 03/06/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
 NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP -CA009332011-1, WA NELAP - C935
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
EPA Method TO-15
H&S Environmental
Workorder# 1202426**

Three 6 Liter Summa Canister samples were received on February 20, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

Carbon Disulfide was manually integrated in sample IN-SVE-Site 1-01-021712.

Methyl tert-butyl ether, trans-1,2-Dichloroethene, Hexane, Tetrahydrofuran, Cyclohexane and 2-Hexanone were manually integrated in the intial calibration.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-01-021712	Date/Time Analyzed:	2/28/12 11:43 AM		
Lab ID:	1202426-01A	Dilution Factor:	1.55		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022808		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.18	2.1	4.2	210
1,1,2,2-Tetrachloroethane	79-34-5	0.61	2.7	5.3	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.7	2.1	4.2	Not Detected U
1,1-Dichloroethane	75-34-3	0.69	1.6	3.1	15
1,1-Dichloroethene	75-35-4	2.0	1.5	3.1	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.9	9.2	23	5.5 J
1,2,4-Trimethylbenzene	95-63-6	1.1	1.9	3.8	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.2	3.0	6.0	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	2.3	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.66	1.6	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.69	1.8	3.6	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.54	1.9	3.8	Not Detected U
1,3-Butadiene	106-99-0	0.83	0.86	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.5	2.3	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.1	2.3	4.6	1.6 J
1,4-Dioxane	123-91-1	1.2	4.5	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.34	1.8	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.3	3.6	9.1	Not Detected U
2-Hexanone	591-78-6	0.85	5.1	13	Not Detected U
2-Propanol	67-63-0	0.78	3.0	7.6	Not Detected U
3-Chloropropene	107-05-1	2.6	3.9	9.7	Not Detected U
4-Ethyltoluene	622-96-8	0.65	1.9	3.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-01-021712	Date/Time Analyzed:	2/28/12 11:43 AM		
Lab ID:	1202426-01A	Dilution Factor:	1.55		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022808		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.5	1.6	3.2	Not Detected U
Acetone	67-64-1	2.4	2.9	18	14 J
alpha-Chlorotoluene	100-44-7	0.74	2.0	4.0	Not Detected U
Benzene	71-43-2	0.27	1.2	2.5	0.36 J
Bromodichloromethane	75-27-4	1.2	2.6	5.2	Not Detected U
Bromoform	75-25-2	2.0	4.0	8.0	Not Detected U
Bromomethane	74-83-9	1.5	1.5	30	Not Detected U
Carbon Disulfide	75-15-0	1.0	3.9	9.6	2.4 J
Carbon Tetrachloride	56-23-5	1.3	2.4	4.9	3.1 J
Chlorobenzene	108-90-7	0.79	1.8	3.6	Not Detected U
Chloroethane	75-00-3	1.9	3.3	8.2	Not Detected U
Chloroform	67-66-3	0.82	1.9	3.8	3.6 J
Chloromethane	74-87-3	1.4	2.6	16	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.5	1.5	3.1	160
cis-1,3-Dichloropropene	10061-01-5	0.72	1.8	3.5	Not Detected U
Cumene	98-82-8	0.50	1.9	3.8	5.4
Cyclohexane	110-82-7	0.78	1.3	2.7	Not Detected U
Dibromochloromethane	124-48-1	2.3	3.3	6.6	Not Detected U
Ethanol	64-17-5	2.0	2.3	5.8	11
Ethyl Benzene	100-41-4	0.83	1.7	3.4	Not Detected U
Freon 11	75-69-4	1.2	2.2	4.4	3.4 J
Freon 113	76-13-1	1.7	3.0	5.9	59

EPA METHOD TO-15 GC/MS FULL SCAN
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Lab ID:	1202426-01A	Dilution Factor:	1.55		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022808		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.2	2.7	5.4	Not Detected U
Freon 12	75-71-8	0.82	1.9	3.8	3.8 J
Heptane	142-82-5	1.0	1.6	3.2	Not Detected U
Hexachlorobutadiene	87-68-3	6.5	13	33	Not Detected U
Hexane	110-54-3	0.69	1.4	2.7	Not Detected U
m,p-Xylene	108-38-3	0.67	1.7	3.4	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.44	1.4	2.8	Not Detected U
Methylene Chloride	75-09-2	0.66	1.3	27	3.9 J
o-Xylene	95-47-6	1.1	1.7	3.4	Not Detected U
Propylbenzene	103-65-1	0.44	1.9	3.8	0.45 J
Styrene	100-42-5	0.67	1.6	3.3	Not Detected U
Tetrachloroethene	127-18-4	2.2	2.6	5.2	500
Tetrahydrofuran	109-99-9	0.63	1.1	2.3	2.2 J
Toluene	108-88-3	0.58	1.5	2.9	Not Detected U
trans-1,2-Dichloroethene	156-60-5	2.2	1.5	3.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.79	1.8	3.5	Not Detected U
Trichloroethene	79-01-6	1.3	2.1	4.2	890
Vinyl Chloride	75-01-4	0.49	0.99	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-01-021712	Date/Time Analyzed:	2/28/12 11:43 AM
Lab ID:	1202426-01A	Dilution Factor:	1.55
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022808
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	105
4-Bromofluorobenzene	460-00-4	75-126	101
Toluene-d8	2037-26-5	74-121	99



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712	Date/Time Analyzed:	2/28/12 12:07 PM		
Lab ID:	1202426-02A	Dilution Factor:	1.61		
Date/Time Collecte	2/17/12 07:00 PM	Instrument/Filename:	msdp.i / p022809		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.18	2.2	4.4	240
1,1,2,2-Tetrachloroethane	79-34-5	0.63	2.8	5.5	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.8	2.2	4.4	Not Detected U
1,1-Dichloroethane	75-34-3	0.71	1.6	3.2	18
1,1-Dichloroethene	75-35-4	2.1	1.6	3.2	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	3.0	9.6	24	3.3 J
1,2,4-Trimethylbenzene	95-63-6	1.1	2.0	4.0	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.3	3.1	6.2	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	2.4	4.8	Not Detected U
1,2-Dichloroethane	107-06-2	0.68	1.6	3.2	Not Detected U
1,2-Dichloropropane	78-87-5	0.72	1.9	3.7	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.56	2.0	4.0	Not Detected U
1,3-Butadiene	106-99-0	0.86	0.89	1.8	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.6	2.4	4.8	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.2	2.4	4.8	Not Detected U
1,4-Dioxane	123-91-1	1.2	4.6	12	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.35	1.9	3.8	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.4	3.8	9.5	Not Detected U
2-Hexanone	591-78-6	0.88	5.3	13	Not Detected U
2-Propanol	67-63-0	0.81	3.2	7.9	2.8 J
3-Chloropropene	107-05-1	2.7	4.0	10	Not Detected U
4-Ethyltoluene	622-96-8	0.67	2.0	4.0	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712	Date/Time Analyzed:	2/28/12 12:07 PM		
Lab ID:	1202426-02A	Dilution Factor:	1.61		
Date/Time Collecte	2/17/12 07:00 PM	Instrument/Filename:	msdp.i / p022809		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.5	1.6	3.3	Not Detected U
Acetone	67-64-1	2.5	3.0	19	5.0 J
alpha-Chlorotoluene	100-44-7	0.77	2.1	4.2	Not Detected U
Benzene	71-43-2	0.28	1.3	2.6	Not Detected U
Bromodichloromethane	75-27-4	1.2	2.7	5.4	Not Detected U
Bromoform	75-25-2	2.1	4.2	8.3	Not Detected U
Bromomethane	74-83-9	1.6	1.6	31	Not Detected U
Carbon Disulfide	75-15-0	1.0	4.0	10	2.1 J
Carbon Tetrachloride	56-23-5	1.4	2.5	5.1	4.0 J
Chlorobenzene	108-90-7	0.82	1.8	3.7	Not Detected U
Chloroethane	75-00-3	2.0	3.4	8.5	Not Detected U
Chloroform	67-66-3	0.85	2.0	3.9	3.2 J
Chloromethane	74-87-3	1.4	2.6	17	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.6	1.6	3.2	190
cis-1,3-Dichloropropene	10061-01-5	0.75	1.8	3.6	Not Detected U
Cumene	98-82-8	0.52	2.0	4.0	1.8 J
Cyclohexane	110-82-7	0.81	1.4	2.8	Not Detected U
Dibromochloromethane	124-48-1	2.4	3.4	6.8	Not Detected U
Ethanol	64-17-5	2.1	2.4	6.1	47
Ethyl Benzene	100-41-4	0.86	1.7	3.5	Not Detected U
Freon 11	75-69-4	1.2	2.3	4.5	3.7 J
Freon 113	76-13-1	1.8	3.1	6.2	62

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712	Date/Time Analyzed:	2/28/12 12:07 PM		
Lab ID:	1202426-02A	Dilution Factor:	1.61		
Date/Time Collecte	2/17/12 07:00 PM	Instrument/Filename:	msdp.i / p022809		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.2	2.8	5.6	Not Detected U
Freon 12	75-71-8	0.85	2.0	4.0	3.7 J
Heptane	142-82-5	1.1	1.6	3.3	Not Detected U
Hexachlorobutadiene	87-68-3	6.8	14	34	Not Detected U
Hexane	110-54-3	0.72	1.4	2.8	Not Detected U
m,p-Xylene	108-38-3	0.70	1.7	3.5	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.45	1.4	2.9	Not Detected U
Methylene Chloride	75-09-2	0.69	1.4	28	Not Detected U
o-Xylene	95-47-6	1.1	1.7	3.5	Not Detected U
Propylbenzene	103-65-1	0.46	2.0	4.0	Not Detected U
Styrene	100-42-5	0.70	1.7	3.4	Not Detected U
Tetrachloroethene	127-18-4	2.2	2.7	5.5	590
Tetrahydrofuran	109-99-9	0.66	1.2	2.4	Not Detected U
Toluene	108-88-3	0.60	1.5	3.0	Not Detected U
trans-1,2-Dichloroethene	156-60-5	2.2	1.6	3.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.82	1.8	3.6	Not Detected U
Trichloroethene	79-01-6	1.3	2.2	4.3	1000
Vinyl Chloride	75-01-4	0.50	1.0	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712	Date/Time Analyzed:	2/28/12 12:07 PM
Lab ID:	1202426-02A	Dilution Factor:	1.61
Date/Time Collecte	2/17/12 07:00 PM	Instrument/Filename:	msdp.i / p022809
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	100
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	94

EPA METHOD TO-15 GC/MS FULL SCAN
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Client ID:	IN-SVE-Site 1-02-021712 Lab Duplicate			
Lab ID:	1202426-02AA		Date/Time Analyzed:	2/28/12 12:24 PM
Date/Time Collecte	2/17/12 07:00 PM		Dilution Factor:	1.61
Media:	6 Liter Summa Canister		Instrument/Filename:	msdp.i / p022810
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)
				Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.18	2.2	4.4
1,1,2,2-Tetrachloroethane	79-34-5	0.63	2.8	5.5
1,1,2-Trichloroethane	79-00-5	1.8	2.2	4.4
1,1-Dichloroethane	75-34-3	0.71	1.6	3.2
1,1-Dichloroethene	75-35-4	2.1	1.6	3.2
1,2,4-Trichlorobenzene	120-82-1	3.0	9.6	24
1,2,4-Trimethylbenzene	95-63-6	1.1	2.0	4.0
1,2-Dibromoethane (EDB)	106-93-4	1.3	3.1	6.2
1,2-Dichlorobenzene	95-50-1	1.2	2.4	4.8
1,2-Dichloroethane	107-06-2	0.68	1.6	3.2
1,2-Dichloropropane	78-87-5	0.72	1.9	3.7
1,3,5-Trimethylbenzene	108-67-8	0.56	2.0	4.0
1,3-Butadiene	106-99-0	0.86	0.89	1.8
1,3-Dichlorobenzene	541-73-1	1.6	2.4	4.8
1,4-Dichlorobenzene	106-46-7	1.2	2.4	4.8
1,4-Dioxane	123-91-1	1.2	4.6	12
2,2,4-Trimethylpentane	540-84-1	0.35	1.9	3.8
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.4	3.8	9.5
2-Hexanone	591-78-6	0.88	5.3	13
2-Propanol	67-63-0	0.81	3.2	7.9
3-Chloropropene	107-05-1	2.7	4.0	10
4-Ethyltoluene	622-96-8	0.67	2.0	4.0

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712 Lab Duplicate			
Lab ID:	1202426-02AA		Date/Time Analyzed:	2/28/12 12:24 PM
Date/Time Collecte	2/17/12 07:00 PM		Dilution Factor:	1.61
Media:	6 Liter Summa Canister		Instrument/Filename:	msdp.i / p022810
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)
				Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.5	1.6	3.3
Acetone	67-64-1	2.5	3.0	19
alpha-Chlorotoluene	100-44-7	0.77	2.1	4.2
Benzene	71-43-2	0.28	1.3	2.6
Bromodichloromethane	75-27-4	1.2	2.7	5.4
Bromoform	75-25-2	2.1	4.2	8.3
Bromomethane	74-83-9	1.6	1.6	31
Carbon Disulfide	75-15-0	1.0	4.0	10
Carbon Tetrachloride	56-23-5	1.4	2.5	5.1
Chlorobenzene	108-90-7	0.82	1.8	3.7
Chloroethane	75-00-3	2.0	3.4	8.5
Chloroform	67-66-3	0.85	2.0	3.9
Chloromethane	74-87-3	1.4	2.6	17
cis-1,2-Dichloroethene	156-59-2	1.6	1.6	3.2
cis-1,3-Dichloropropene	10061-01-5	0.75	1.8	3.6
Cumene	98-82-8	0.52	2.0	4.0
Cyclohexane	110-82-7	0.81	1.4	2.8
Dibromochloromethane	124-48-1	2.4	3.4	6.8
Ethanol	64-17-5	2.1	2.4	6.1
Ethyl Benzene	100-41-4	0.86	1.7	3.5
Freon 11	75-69-4	1.2	2.3	4.5
Freon 113	76-13-1	1.8	3.1	6.2
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EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712 Lab Duplicate				
Lab ID:	1202426-02AA		Date/Time Analyzed:	2/28/12 12:24 PM	
Date/Time Collecte	2/17/12 07:00 PM		Dilution Factor:	1.61	
Media:	6 Liter Summa Canister		Instrument/Filename:	msdp.i / p022810	
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.2	2.8	5.6	Not Detected U
Freon 12	75-71-8	0.85	2.0	4.0	3.1 J
Heptane	142-82-5	1.1	1.6	3.3	Not Detected U
Hexachlorobutadiene	87-68-3	6.8	14	34	Not Detected U
Hexane	110-54-3	0.72	1.4	2.8	Not Detected U
m,p-Xylene	108-38-3	0.70	1.7	3.5	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.45	1.4	2.9	Not Detected U
Methylene Chloride	75-09-2	0.69	1.4	28	Not Detected U
o-Xylene	95-47-6	1.1	1.7	3.5	Not Detected U
Propylbenzene	103-65-1	0.46	2.0	4.0	Not Detected U
Styrene	100-42-5	0.70	1.7	3.4	Not Detected U
Tetrachloroethene	127-18-4	2.2	2.7	5.5	600
Tetrahydrofuran	109-99-9	0.66	1.2	2.4	Not Detected U
Toluene	108-88-3	0.60	1.5	3.0	Not Detected U
trans-1,2-Dichloroethene	156-60-5	2.2	1.6	3.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.82	1.8	3.6	Not Detected U
Trichloroethene	79-01-6	1.3	2.2	4.3	1000
Vinyl Chloride	75-01-4	0.50	1.0	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site 1-02-021712 Lab Duplicate	Date/Time Analyzed:	2/28/12 12:24 PM
Lab ID:	1202426-02AA	Dilution Factor:	1.61
Date/Time Collecte	2/17/12 07:00 PM	Instrument/Filename:	msdp.i / p022810
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site 1-021712	Date/Time Analyzed:	2/28/12 12:53 PM		
Lab ID:	1202426-03A	Dilution Factor:	1.58		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022811		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.18	2.2	4.3	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.62	2.7	5.4	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.8	2.2	4.3	Not Detected U
1,1-Dichloroethane	75-34-3	0.70	1.6	3.2	Not Detected U
1,1-Dichloroethene	75-35-4	2.1	1.6	3.1	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	3.0	9.4	23	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	1.1	1.9	3.9	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.3	3.0	6.1	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	2.4	4.7	Not Detected U
1,2-Dichloroethane	107-06-2	0.67	1.6	3.2	Not Detected U
1,2-Dichloropropane	78-87-5	0.71	1.8	3.6	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.55	1.9	3.9	Not Detected U
1,3-Butadiene	106-99-0	0.84	0.87	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.6	2.4	4.8	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.2	2.4	4.8	Not Detected U
1,4-Dioxane	123-91-1	1.2	4.6	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.34	1.8	3.7	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.3	3.7	9.3	Not Detected U
2-Hexanone	591-78-6	0.87	5.2	13	Not Detected U
2-Propanol	67-63-0	0.80	3.1	7.8	Not Detected U
3-Chloropropene	107-05-1	2.6	4.0	9.9	Not Detected U
4-Ethyltoluene	622-96-8	0.66	1.9	3.9	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site 1-021712	Date/Time Analyzed:	2/28/12 12:53 PM		
Lab ID:	1202426-03A	Dilution Factor:	1.58		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022811		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.5	1.6	3.2	Not Detected U
Acetone	67-64-1	2.4	3.0	19	8.6 J
alpha-Chlorotoluene	100-44-7	0.75	2.0	4.1	Not Detected U
Benzene	71-43-2	0.28	1.3	2.5	Not Detected U
Bromodichloromethane	75-27-4	1.2	2.6	5.3	Not Detected U
Bromoform	75-25-2	2.1	4.1	8.2	Not Detected U
Bromomethane	74-83-9	1.6	1.5	31	Not Detected U
Carbon Disulfide	75-15-0	1.0	3.9	9.8	1.8 J
Carbon Tetrachloride	56-23-5	1.3	2.5	5.0	Not Detected U
Chlorobenzene	108-90-7	0.81	1.8	3.6	Not Detected U
Chloroethane	75-00-3	1.9	3.3	8.3	Not Detected U
Chloroform	67-66-3	0.83	1.9	3.8	Not Detected U
Chloromethane	74-87-3	1.4	2.6	16	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.5	1.6	3.1	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.73	1.8	3.6	Not Detected U
Cumene	98-82-8	0.51	1.9	3.9	2.5 J
Cyclohexane	110-82-7	0.80	1.4	2.7	Not Detected U
Dibromochloromethane	124-48-1	2.4	3.4	6.7	Not Detected U
Ethanol	64-17-5	2.0	2.4	6.0	Not Detected U
Ethyl Benzene	100-41-4	0.84	1.7	3.4	Not Detected U
Freon 11	75-69-4	1.2	2.2	4.4	Not Detected U
Freon 113	76-13-1	1.7	3.0	6.0	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site 1-021712	Date/Time Analyzed:	2/28/12 12:53 PM		
Lab ID:	1202426-03A	Dilution Factor:	1.58		
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022811		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.2	2.8	5.5	Not Detected U
Freon 12	75-71-8	0.84	2.0	3.9	3.9 J
Heptane	142-82-5	1.1	1.6	3.2	Not Detected U
Hexachlorobutadiene	87-68-3	6.6	13	34	Not Detected U
Hexane	110-54-3	0.70	1.4	2.8	Not Detected U
m,p-Xylene	108-38-3	0.68	1.7	3.4	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.44	1.4	2.8	Not Detected U
Methylene Chloride	75-09-2	0.68	1.4	27	3.5 J
o-Xylene	95-47-6	1.1	1.7	3.4	Not Detected U
Propylbenzene	103-65-1	0.45	1.9	3.9	Not Detected U
Styrene	100-42-5	0.68	1.7	3.4	Not Detected U
Tetrachloroethene	127-18-4	2.2	2.7	5.4	Not Detected U
Tetrahydrofuran	109-99-9	0.64	1.2	2.3	Not Detected U
Toluene	108-88-3	0.59	1.5	3.0	Not Detected U
trans-1,2-Dichloroethene	156-60-5	2.2	1.6	3.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.81	1.8	3.6	Not Detected U
Trichloroethene	79-01-6	1.3	2.1	4.2	2.1 J
Vinyl Chloride	75-01-4	0.50	1.0	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site 1-021712	Date/Time Analyzed:	2/28/12 12:53 PM
Lab ID:	1202426-03A	Dilution Factor:	1.58
Date/Time Collecte	2/17/12 06:30 PM	Instrument/Filename:	msdp.i / p022811
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	102
4-Bromofluorobenzene	460-00-4	75-126	96
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	2/28/12 11:09 AM		
Lab ID:	1202426-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022807a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.11	1.4	2.7	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.39	1.7	3.4	0.64 J
1,1,2-Trichloroethane	79-00-5	1.1	1.4	2.7	Not Detected U
1,1-Dichloroethane	75-34-3	0.44	1.0	2.0	Not Detected U
1,1-Dichloroethene	75-35-4	1.3	0.99	2.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	1.9	5.9	15	4.9 J
1,2,4-Trimethylbenzene	95-63-6	0.69	1.2	2.4	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.81	1.9	3.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.78	1.5	3.0	1.0 J
1,2-Dichloroethane	107-06-2	0.42	1.0	2.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.45	1.2	2.3	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.34	1.2	2.4	Not Detected U
1,3-Butadiene	106-99-0	0.53	0.55	1.1	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.99	1.5	3.0	1.1 J
1,4-Dichlorobenzene	106-46-7	0.73	1.5	3.0	1.1 J
1,4-Dioxane	123-91-1	0.77	2.9	7.2	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.22	1.2	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	0.85	2.4	5.9	Not Detected U
2-Hexanone	591-78-6	0.55	3.3	8.2	Not Detected U
2-Propanol	67-63-0	0.50	2.0	4.9	Not Detected U
3-Chloropropene	107-05-1	1.7	2.5	6.3	Not Detected U
4-Ethyltoluene	622-96-8	0.42	1.2	2.4	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	2/28/12 11:09 AM		
Lab ID:	1202426-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022807a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.96	1.0	2.0	Not Detected U
Acetone	67-64-1	1.6	1.9	12	Not Detected U
alpha-Chlorotoluene	100-44-7	0.48	1.3	2.6	0.50 J
Benzene	71-43-2	0.18	0.80	1.6	0.24 J
Bromodichloromethane	75-27-4	0.78	1.7	3.4	Not Detected U
Bromoform	75-25-2	1.3	2.6	5.2	Not Detected U
Bromomethane	74-83-9	1.0	0.97	19	1.3 J
Carbon Disulfide	75-15-0	0.65	2.5	6.2	1.7 J
Carbon Tetrachloride	56-23-5	0.84	1.6	3.1	Not Detected U
Chlorobenzene	108-90-7	0.51	1.2	2.3	Not Detected U
Chloroethane	75-00-3	1.2	2.1	5.3	Not Detected U
Chloroform	67-66-3	0.53	1.2	2.4	Not Detected U
Chloromethane	74-87-3	0.89	1.6	10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.97	0.99	2.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.46	1.1	2.3	Not Detected U
Cumene	98-82-8	0.32	1.2	2.4	0.84 J
Cyclohexane	110-82-7	0.50	0.86	1.7	Not Detected U
Dibromochloromethane	124-48-1	1.5	2.1	4.2	Not Detected U
Ethanol	64-17-5	1.3	1.5	3.8	Not Detected U
Ethyl Benzene	100-41-4	0.54	1.1	2.2	Not Detected U
Freon 11	75-69-4	0.75	1.4	2.8	Not Detected U
Freon 113	76-13-1	1.1	1.9	3.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	2/28/12 11:09 AM		
Lab ID:	1202426-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022807a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	0.76	1.7	3.5	Not Detected U
Freon 12	75-71-8	0.53	1.2	2.5	Not Detected U
Heptane	142-82-5	0.67	1.0	2.0	Not Detected U
Hexachlorobutadiene	87-68-3	4.2	8.5	21	4.4 J
Hexane	110-54-3	0.44	0.88	1.8	Not Detected U
m,p-Xylene	108-38-3	0.43	1.1	2.2	0.47 J
Methyl tert-butyl ether	1634-04-4	0.28	0.90	1.8	Not Detected U
Methylene Chloride	75-09-2	0.43	0.87	17	Not Detected U
o-Xylene	95-47-6	0.69	1.1	2.2	Not Detected U
Propylbenzene	103-65-1	0.29	1.2	2.4	0.46 J
Styrene	100-42-5	0.43	1.1	2.1	Not Detected U
Tetrachloroethene	127-18-4	1.4	1.7	3.4	Not Detected U
Tetrahydrofuran	109-99-9	0.41	0.74	1.5	Not Detected U
Toluene	108-88-3	0.37	0.94	1.9	Not Detected U
trans-1,2-Dichloroethene	156-60-5	1.4	0.99	2.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.51	1.1	2.3	0.54 J
Trichloroethene	79-01-6	0.84	1.3	2.7	Not Detected U
Vinyl Chloride	75-01-4	0.31	0.64	1.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	2/28/12 11:09 AM
Lab ID:	1202426-04A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022807a
Media:	NA - Not Applicable		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	104
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	97

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	2/28/12 09:18 AM
Lab ID:	1202426-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022803a
Media:	NA - Not Applicable		
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Compound	CAS#		
1,1,1-Trichloroethane	71-55-6		
1,1,2,2-Tetrachloroethane	79-34-5		
1,1,2-Trichloroethane	79-00-5		
1,1-Dichloroethane	75-34-3		
1,1-Dichloroethene	75-35-4		
1,2,4-Trichlorobenzene	120-82-1		
1,2,4-Trimethylbenzene	95-63-6		
1,2-Dibromoethane (EDB)	106-93-4		
1,2-Dichlorobenzene	95-50-1		
1,2-Dichloroethane	107-06-2		
1,2-Dichloropropane	78-87-5		
1,3,5-Trimethylbenzene	108-67-8		
1,3-Butadiene	106-99-0		
1,3-Dichlorobenzene	541-73-1		
1,4-Dichlorobenzene	106-46-7		
1,4-Dioxane	123-91-1		
2,2,4-Trimethylpentane	540-84-1		
2-Butanone (Methyl Ethyl Ketone)	78-93-3		
2-Hexanone	591-78-6		
2-Propanol	67-63-0		
3-Chloropropene	107-05-1		
4-Ethyltoluene	622-96-8		

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	2/28/12 09:18 AM
Lab ID:	1202426-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022803a
Media:	NA - Not Applicable		
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Compound	CAS#		
4-Methyl-2-pentanone	108-10-1		
Acetone	67-64-1		
alpha-Chlorotoluene	100-44-7		
Benzene	71-43-2		
Bromodichloromethane	75-27-4		
Bromoform	75-25-2		
Bromomethane	74-83-9		
Carbon Disulfide	75-15-0		
Carbon Tetrachloride	56-23-5		
Chlorobenzene	108-90-7		
Chloroethane	75-00-3		
Chloroform	67-66-3		
Chloromethane	74-87-3		
cis-1,2-Dichloroethene	156-59-2		
cis-1,3-Dichloropropene	10061-01-5		
Cumene	98-82-8		
Cyclohexane	110-82-7		
Dibromochloromethane	124-48-1		
Ethanol	64-17-5		
Ethyl Benzene	100-41-4		
Freon 11	75-69-4		
Freon 113	76-13-1		

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	2/28/12 09:18 AM
Lab ID:	1202426-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022803a
Media:	NA - Not Applicable		
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Compound	CAS#		%Recovery
Freon 114	76-14-2		99
Freon 12	75-71-8		110
Heptane	142-82-5		104
Hexachlorobutadiene	87-68-3		79
Hexane	110-54-3		103
m,p-Xylene	108-38-3		101
Methyl tert-butyl ether	1634-04-4		100
Methylene Chloride	75-09-2		99
o-Xylene	95-47-6		104
Propylbenzene	103-65-1		100
Styrene	100-42-5		90
Tetrachloroethene	127-18-4		96
Tetrahydrofuran	109-99-9		94
Toluene	108-88-3		99
trans-1,2-Dichloroethene	156-60-5		97
trans-1,3-Dichloropropene	10061-02-6		97
Trichloroethene	79-01-6		102
Vinyl Chloride	75-01-4		96

Surrogates	CAS#	Limits	%Recovery



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	2/28/12 09:18 AM
Lab ID:	1202426-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022803a
Media:	NA - Not Applicable		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	104
4-Bromofluorobenzene	460-00-4	75-126	104
Toluene-d8	2037-26-5	74-121	101

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	2/28/12 09:43 AM
Lab ID:	1202426-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022804a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		105
1,1,2,2-Tetrachloroethane	79-34-5		98
1,1,2-Trichloroethane	79-00-5		98
1,1-Dichloroethane	75-34-3		102
1,1-Dichloroethene	75-35-4		109
1,2,4-Trichlorobenzene	120-82-1		90
1,2,4-Trimethylbenzene	95-63-6		109
1,2-Dibromoethane (EDB)	106-93-4		101
1,2-Dichlorobenzene	95-50-1		94
1,2-Dichloroethane	107-06-2		107
1,2-Dichloropropane	78-87-5		97
1,3,5-Trimethylbenzene	108-67-8		110
1,3-Butadiene	106-99-0		104
1,3-Dichlorobenzene	541-73-1		100
1,4-Dichlorobenzene	106-46-7		100
1,4-Dioxane	123-91-1		99
2,2,4-Trimethylpentane	540-84-1		104
2-Butanone (Methyl Ethyl Ketone)	78-93-3		102
2-Hexanone	591-78-6		103
2-Propanol	67-63-0		102
3-Chloropropene	107-05-1		118
4-Ethyltoluene	622-96-8		96

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	2/28/12 09:43 AM
Lab ID:	1202426-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022804a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		100
Acetone	67-64-1		104
alpha-Chlorotoluene	100-44-7		97
Benzene	71-43-2		100
Bromodichloromethane	75-27-4		104
Bromoform	75-25-2		100
Bromomethane	74-83-9		116
Carbon Disulfide	75-15-0		125
Carbon Tetrachloride	56-23-5		108
Chlorobenzene	108-90-7		100
Chloroethane	75-00-3		99
Chloroform	67-66-3		106
Chloromethane	74-87-3		126
cis-1,2-Dichloroethene	156-59-2		100
cis-1,3-Dichloropropene	10061-01-5		101
Cumene	98-82-8		105
Cyclohexane	110-82-7		106
Dibromochloromethane	124-48-1		103
Ethanol	64-17-5		85
Ethyl Benzene	100-41-4		101
Freon 11	75-69-4		114
Freon 113	76-13-1		106

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	2/28/12 09:43 AM
Lab ID:	1202426-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022804a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		106
Freon 12	75-71-8		118
Heptane	142-82-5		103
Hexachlorobutadiene	87-68-3		83
Hexane	110-54-3		106
m,p-Xylene	108-38-3		104
Methyl tert-butyl ether	1634-04-4		106
Methylene Chloride	75-09-2		102
o-Xylene	95-47-6		106
Propylbenzene	103-65-1		103
Styrene	100-42-5		102
Tetrachloroethene	127-18-4		98
Tetrahydrofuran	109-99-9		97
Toluene	108-88-3		96
trans-1,2-Dichloroethene	156-60-5		115
trans-1,3-Dichloropropene	10061-02-6		103
Trichloroethene	79-01-6		101
Vinyl Chloride	75-01-4		104

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	2/28/12 09:43 AM
Lab ID:	1202426-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022804a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	105
4-Bromofluorobenzene	460-00-4	75-126	101
Toluene-d8	2037-26-5	74-121	100

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	2/28/12 10:00 AM
Lab ID:	1202426-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022805a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		107
1,1,2,2-Tetrachloroethane	79-34-5		101
1,1,2-Trichloroethane	79-00-5		97
1,1-Dichloroethane	75-34-3		102
1,1-Dichloroethene	75-35-4		108
1,2,4-Trichlorobenzene	120-82-1		101
1,2,4-Trimethylbenzene	95-63-6		112
1,2-Dibromoethane (EDB)	106-93-4		103
1,2-Dichlorobenzene	95-50-1		98
1,2-Dichloroethane	107-06-2		106
1,2-Dichloropropane	78-87-5		98
1,3,5-Trimethylbenzene	108-67-8		110
1,3-Butadiene	106-99-0		101
1,3-Dichlorobenzene	541-73-1		104
1,4-Dichlorobenzene	106-46-7		104
1,4-Dioxane	123-91-1		98
2,2,4-Trimethylpentane	540-84-1		108
2-Butanone (Methyl Ethyl Ketone)	78-93-3		104
2-Hexanone	591-78-6		102
2-Propanol	67-63-0		105
3-Chloropropene	107-05-1		121
4-Ethyltoluene	622-96-8		96

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	2/28/12 10:00 AM
Lab ID:	1202426-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022805a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		103
Acetone	67-64-1		105
alpha-Chlorotoluene	100-44-7		100
Benzene	71-43-2		100
Bromodichloromethane	75-27-4		102
Bromoform	75-25-2		99
Bromomethane	74-83-9		117
Carbon Disulfide	75-15-0		126
Carbon Tetrachloride	56-23-5		108
Chlorobenzene	108-90-7		100
Chloroethane	75-00-3		103
Chloroform	67-66-3		107
Chloromethane	74-87-3		126
cis-1,2-Dichloroethene	156-59-2		102
cis-1,3-Dichloropropene	10061-01-5		99
Cumene	98-82-8		110
Cyclohexane	110-82-7		105
Dibromochloromethane	124-48-1		102
Ethanol	64-17-5		97
Ethyl Benzene	100-41-4		101
Freon 11	75-69-4		116
Freon 113	76-13-1		106

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	2/28/12 10:00 AM
Lab ID:	1202426-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022805a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		106
Freon 12	75-71-8		117
Heptane	142-82-5		104
Hexachlorobutadiene	87-68-3		94
Hexane	110-54-3		106
m,p-Xylene	108-38-3		105
Methyl tert-butyl ether	1634-04-4		106
Methylene Chloride	75-09-2		103
o-Xylene	95-47-6		108
Propylbenzene	103-65-1		106
Styrene	100-42-5		104
Tetrachloroethene	127-18-4		96
Tetrahydrofuran	109-99-9		99
Toluene	108-88-3		97
trans-1,2-Dichloroethene	156-60-5		116
trans-1,3-Dichloropropene	10061-02-6		102
Trichloroethene	79-01-6		102
Vinyl Chloride	75-01-4		102

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN

Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	2/28/12 10:00 AM
Lab ID:	1202426-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdp.i / p022805a
Media:	NA - Not Applicable		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	107
Toluene-d8	2037-26-5	74-121	98

* % Recovery is calculated using unrounded analytical results.

March 2012 Monthly Data

3/30/2012
Ms. Jennifer Good
H&S Environmental
160 East Main Street #2F

Westborough MA 01581

Project Name: Bethpage Site 1 Monthly
Project #: 2034-003
Workorder #: 1203229

Dear Ms. Jennifer Good

The following report includes the data for the above referenced project for sample(s) received on 3/12/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

A Eurofins Lancaster Laboratories Company

WORK ORDER #: 1203229

Work Order Summary

CLIENT: Ms. Jennifer Good
H&S Environmental
160 East Main Street #2F
Westborough, MA 01581

BILL TO: Accounts Payable
H&S Environmental
160 East Main Street #2F
Westborough, MA 01581

PHONE: 508-366-7442

P.O. # 12-297

FAX: 508-366-7445

PROJECT # 2034-003 Bethpage Site 1 Monthly

DATE RECEIVED: 03/12/2012

CONTACT: Ausha Scott

DATE COMPLETED: 03/27/2012

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	IN-SVE-Site1-01-3812	Modified TO-15	4.5 "Hg	5 psi
02A	IN-SVE-Site1-02-3812	Modified TO-15	1.5 "Hg	5 psi
03A	EF-SVE-Site1-3812	Modified TO-15	3.5 "Hg	5 psi
04A	Lab Blank	Modified TO-15	NA	NA
05A	CCV	Modified TO-15	NA	NA
06A	LCS	Modified TO-15	NA	NA
06AA	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:



DATE: 03/27/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
EPA Method TO-15
H&S Environmental
Workorder# 1203229

Three 6 Liter Summa Canister samples were received on March 12, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified (0.2 ppbv for compounds reported at 0.5 ppbv and 0.8 ppbv for compounds reported at 2.0 ppbv) may be false positives.

The per analytical batch duplicate analysis required for this project is associated with work order 1203230.

trans-1,3-Dichloropropene, Chlorobenzene, 1,4-Dichlorobenzene and 1,2,4-Trichlorobenzene were detected in the laboratory blank analyzed on March 14, 2012 at greater than 1/2X the reporting limit.

Ethanol was manually integrated in the initial calibration.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-01-3812	Date/Time Analyzed:	3/14/12 08:08 PM		
Lab ID:	1203229-01A	Dilution Factor:	1.58		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031418		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.30	1.7	4.3	220
1,1,2,2-Tetrachloroethane	79-34-5	0.70	2.2	5.4	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.0	1.7	4.3	Not Detected U
1,1-Dichloroethane	75-34-3	0.29	1.3	3.2	17
1,1-Dichloroethene	75-35-4	0.51	1.2	3.1	1.4 J
1,2,4-Trichlorobenzene	120-82-1	6.4	10	23	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.59	1.6	3.9	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.6	2.4	6.1	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.86	1.9	4.7	Not Detected U
1,2-Dichloroethane	107-06-2	0.32	1.3	3.2	1.1 J
1,2-Dichloropropane	78-87-5	0.59	1.5	3.6	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.64	1.6	3.9	Not Detected U
1,3-Butadiene	106-99-0	0.56	0.70	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.0	1.9	4.8	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.56	1.9	4.8	0.57 J
1,4-Dioxane	123-91-1	2.6	5.1	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.48	1.5	3.7	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.0	4.2	9.3	Not Detected U
2-Hexanone	591-78-6	2.7	5.8	13	Not Detected U
2-Propanol	67-63-0	1.0	3.5	7.8	Not Detected U
3-Chloropropene	107-05-1	2.3	4.4	9.9	Not Detected U
4-Ethyltoluene	622-96-8	0.88	1.6	3.9	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-01-3812	Date/Time Analyzed:	3/14/12 08:08 PM		
Lab ID:	1203229-01A	Dilution Factor:	1.58		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031418		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.1	1.3	3.2	Not Detected U
Acetone	67-64-1	1.9	3.4	19	4.7 J
alpha-Chlorotoluene	100-44-7	0.61	1.6	4.1	Not Detected U
Benzene	71-43-2	0.34	1.0	2.5	0.42 J
Bromodichloromethane	75-27-4	0.74	2.1	5.3	Not Detected U
Bromoform	75-25-2	1.8	3.3	8.2	Not Detected U
Bromomethane	74-83-9	0.82	1.2	31	Not Detected U
Carbon Disulfide	75-15-0	1.3	4.4	9.8	1.8 J
Carbon Tetrachloride	56-23-5	0.75	2.0	5.0	3.4 J
Chlorobenzene	108-90-7	1.3	1.4	3.6	2.1 J
Chloroethane	75-00-3	1.7	3.8	8.3	Not Detected U
Chloroform	67-66-3	0.49	1.5	3.8	3.2 J
Chloromethane	74-87-3	2.7	2.9	16	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.59	1.2	3.1	190
cis-1,3-Dichloropropene	10061-01-5	0.44	1.4	3.6	Not Detected U
Cumene	98-82-8	0.50	1.6	3.9	7.1
Cyclohexane	110-82-7	0.41	1.1	2.7	Not Detected U
Dibromochloromethane	124-48-1	1.8	2.7	6.7	Not Detected U
Ethanol	64-17-5	1.5	2.7	6.0	79
Ethyl Benzene	100-41-4	0.49	1.4	3.4	Not Detected U
Freon 11	75-69-4	0.71	1.8	4.4	3.0 J
Freon 113	76-13-1	1.0	2.4	6.0	61

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-01-3812	Date/Time Analyzed:	3/14/12 08:08 PM		
Lab ID:	1203229-01A	Dilution Factor:	1.58		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031418		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	0.60	2.2	5.5	Not Detected U
Freon 12	75-71-8	0.36	1.6	3.9	3.2 J
Heptane	142-82-5	0.39	1.3	3.2	Not Detected U
Hexachlorobutadiene	87-68-3	9.8	15	34	Not Detected U
Hexane	110-54-3	0.21	1.1	2.8	Not Detected U
m,p-Xylene	108-38-3	0.55	1.4	3.4	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.8	Not Detected U
Methylene Chloride	75-09-2	0.28	1.1	27	0.46 J
o-Xylene	95-47-6	0.65	1.4	3.4	Not Detected U
Propylbenzene	103-65-1	0.55	1.6	3.9	Not Detected U
Styrene	100-42-5	0.69	1.3	3.4	Not Detected U
Tetrachloroethene	127-18-4	1.2	2.1	5.4	570
Tetrahydrofuran	109-99-9	0.56	0.93	2.3	2.7
Toluene	108-88-3	0.36	1.2	3.0	0.69 J
trans-1,2-Dichloroethene	156-60-5	0.71	1.2	3.1	2.2 J
trans-1,3-Dichloropropene	10061-02-6	0.86	1.4	3.6	Not Detected U
Trichloroethene	79-01-6	0.95	1.7	4.2	920
Vinyl Chloride	75-01-4	0.49	0.81	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-01-3812	Date/Time Analyzed:	3/14/12 08:08 PM
Lab ID:	1203229-01A	Dilution Factor:	1.58
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031418
Media:	6 Liter Summa Canister		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	91
Toluene-d8	2037-26-5	74-121	97

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-02-3812	Date/Time Analyzed:	3/14/12 08:26 PM		
Lab ID:	1203229-02A	Dilution Factor:	1.41		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031419		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.26	1.5	3.8	230
1,1,2,2-Tetrachloroethane	79-34-5	0.63	1.9	4.8	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.92	1.5	3.8	Not Detected U
1,1-Dichloroethane	75-34-3	0.26	1.1	2.8	17
1,1-Dichloroethene	75-35-4	0.46	1.1	2.8	2.0 J
1,2,4-Trichlorobenzene	120-82-1	5.7	9.4	21	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.53	1.4	3.5	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.4	2.2	5.4	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.77	1.7	4.2	Not Detected U
1,2-Dichloroethane	107-06-2	0.29	1.1	2.8	1.1 J
1,2-Dichloropropane	78-87-5	0.53	1.3	3.2	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.57	1.4	3.5	Not Detected U
1,3-Butadiene	106-99-0	0.50	0.62	1.6	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.94	1.7	4.2	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.50	1.7	4.2	Not Detected U
1,4-Dioxane	123-91-1	2.3	4.6	10	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.42	1.3	3.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.8	3.7	8.3	Not Detected U
2-Hexanone	591-78-6	2.4	5.2	12	Not Detected U
2-Propanol	67-63-0	0.89	3.1	6.9	Not Detected U
3-Chloropropene	107-05-1	2.1	4.0	8.8	Not Detected U
4-Ethyltoluene	622-96-8	0.78	1.4	3.5	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-02-3812	Date/Time Analyzed:	3/14/12 08:26 PM		
Lab ID:	1203229-02A	Dilution Factor:	1.41		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031419		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.98	1.2	2.9	Not Detected U
Acetone	67-64-1	1.7	3.0	17	3.9 J
alpha-Chlorotoluene	100-44-7	0.54	1.4	3.6	Not Detected U
Benzene	71-43-2	0.30	0.90	2.2	0.41 J
Bromodichloromethane	75-27-4	0.66	1.9	4.7	Not Detected U
Bromoform	75-25-2	1.6	2.9	7.3	Not Detected U
Bromomethane	74-83-9	0.73	1.1	27	Not Detected U
Carbon Disulfide	75-15-0	1.1	4.0	8.8	1.6 J
Carbon Tetrachloride	56-23-5	0.67	1.8	4.4	3.7 J
Chlorobenzene	108-90-7	1.2	1.3	3.2	2.1 J
Chloroethane	75-00-3	1.5	3.3	7.4	Not Detected U
Chloroform	67-66-3	0.44	1.4	3.4	3.0 J
Chloromethane	74-87-3	2.4	2.6	14	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.53	1.1	2.8	190
cis-1,3-Dichloropropene	10061-01-5	0.39	1.3	3.2	Not Detected U
Cumene	98-82-8	0.45	1.4	3.5	Not Detected U
Cyclohexane	110-82-7	0.37	0.97	2.4	Not Detected U
Dibromochloromethane	124-48-1	1.6	2.4	6.0	Not Detected U
Ethanol	64-17-5	1.3	2.4	5.3	27
Ethyl Benzene	100-41-4	0.44	1.2	3.1	Not Detected U
Freon 11	75-69-4	0.63	1.6	4.0	3.2 J
Freon 113	76-13-1	0.89	2.2	5.4	63

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-02-3812	Date/Time Analyzed:	3/14/12 08:26 PM		
Lab ID:	1203229-02A	Dilution Factor:	1.41		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031419		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	0.54	2.0	4.9	Not Detected U
Freon 12	75-71-8	0.32	1.4	3.5	3.2 J
Heptane	142-82-5	0.35	1.2	2.9	Not Detected U
Hexachlorobutadiene	87-68-3	8.8	14	30	Not Detected U
Hexane	110-54-3	0.19	0.99	2.5	Not Detected U
m,p-Xylene	108-38-3	0.49	1.2	3.1	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.18	1.0	2.5	Not Detected U
Methylene Chloride	75-09-2	0.25	0.98	24	0.56 J
o-Xylene	95-47-6	0.58	1.2	3.1	Not Detected U
Propylbenzene	103-65-1	0.49	1.4	3.5	Not Detected U
Styrene	100-42-5	0.62	1.2	3.0	Not Detected U
Tetrachloroethene	127-18-4	1.0	1.9	4.8	580
Tetrahydrofuran	109-99-9	0.50	0.83	2.1	2.6
Toluene	108-88-3	0.32	1.1	2.6	0.73 J
trans-1,2-Dichloroethene	156-60-5	0.63	1.1	2.8	2.6 J
trans-1,3-Dichloropropene	10061-02-6	0.76	1.3	3.2	Not Detected U
Trichloroethene	79-01-6	0.85	1.5	3.8	930
Vinyl Chloride	75-01-4	0.44	0.72	1.8	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	IN-SVE-Site1-02-3812	Date/Time Analyzed:	3/14/12 08:26 PM
Lab ID:	1203229-02A	Dilution Factor:	1.41
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031419
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	110
4-Bromofluorobenzene	460-00-4	75-126	90
Toluene-d8	2037-26-5	74-121	96

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site1-3812	Date/Time Analyzed:	3/14/12 08:56 PM		
Lab ID:	1203229-03A	Dilution Factor:	1.52		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031420		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.28	1.6	4.1	0.40 J
1,1,2,2-Tetrachloroethane	79-34-5	0.68	2.1	5.2	Not Detected U
1,1,2-Trichloroethane	79-00-5	0.99	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.28	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.49	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	6.1	10	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.57	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.5	2.3	5.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.83	1.8	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.31	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.57	1.4	3.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.62	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.54	0.67	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.0	1.8	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.54	1.8	4.6	Not Detected U
1,4-Dioxane	123-91-1	2.5	4.9	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.46	1.4	3.6	0.55 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.0	4.0	9.0	Not Detected U
2-Hexanone	591-78-6	2.6	5.6	12	Not Detected U
2-Propanol	67-63-0	0.96	3.4	7.5	1.5 J
3-Chloropropene	107-05-1	2.2	4.3	9.5	Not Detected U
4-Ethyltoluene	622-96-8	0.84	1.5	3.7	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site1-3812	Date/Time Analyzed:	3/14/12 08:56 PM		
Lab ID:	1203229-03A	Dilution Factor:	1.52		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031420		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.0	1.2	3.1	Not Detected U
Acetone	67-64-1	1.8	3.2	18	7.5 J
alpha-Chlorotoluene	100-44-7	0.58	1.6	3.9	Not Detected U
Benzene	71-43-2	0.33	0.97	2.4	0.50 J
Bromodichloromethane	75-27-4	0.71	2.0	5.1	Not Detected U
Bromoform	75-25-2	1.7	3.1	7.8	Not Detected U
Bromomethane	74-83-9	0.79	1.2	30	Not Detected U
Carbon Disulfide	75-15-0	1.2	4.3	9.5	1.9 J
Carbon Tetrachloride	56-23-5	0.72	1.9	4.8	Not Detected U
Chlorobenzene	108-90-7	1.3	1.4	3.5	2.7 J
Chloroethane	75-00-3	1.6	3.6	8.0	Not Detected U
Chloroform	67-66-3	0.47	1.5	3.7	Not Detected U
Chloromethane	74-87-3	2.6	2.8	16	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.57	1.2	3.0	0.61 J
cis-1,3-Dichloropropene	10061-01-5	0.42	1.4	3.4	Not Detected U
Cumene	98-82-8	0.48	1.5	3.7	5.2
Cyclohexane	110-82-7	0.40	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.7	2.6	6.5	Not Detected U
Ethanol	64-17-5	1.4	2.6	5.7	11
Ethyl Benzene	100-41-4	0.47	1.3	3.3	Not Detected U
Freon 11	75-69-4	0.68	1.7	4.3	Not Detected U
Freon 113	76-13-1	0.96	2.3	5.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site1-3812	Date/Time Analyzed:	3/14/12 08:56 PM		
Lab ID:	1203229-03A	Dilution Factor:	1.52		
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031420		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	0.58	2.1	5.3	Not Detected U
Freon 12	75-71-8	0.35	1.5	3.8	4.8
Heptane	142-82-5	0.37	1.2	3.1	Not Detected U
Hexachlorobutadiene	87-68-3	9.5	14	32	Not Detected U
Hexane	110-54-3	0.20	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.53	1.3	3.3	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.19	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.27	1.0	26	3.2 J
o-Xylene	95-47-6	0.62	1.3	3.3	Not Detected U
Propylbenzene	103-65-1	0.53	1.5	3.7	Not Detected U
Styrene	100-42-5	0.67	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.1	2.1	5.2	2.3 J
Tetrahydrofuran	109-99-9	0.54	0.90	2.2	Not Detected U
Toluene	108-88-3	0.35	1.1	2.9	0.93 J
trans-1,2-Dichloroethene	156-60-5	0.68	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.82	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	0.92	1.6	4.1	6.7
Vinyl Chloride	75-01-4	0.47	0.78	1.9	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	EF-SVE-Site1-3812	Date/Time Analyzed:	3/14/12 08:56 PM
Lab ID:	1203229-03A	Dilution Factor:	1.52
Date/Time Collecte	3/8/12 12:00 AM	Instrument/Filename:	msdj.i / j031420
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	91
Toluene-d8	2037-26-5	74-121	96

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	3/14/12 01:44 PM		
Lab ID:	1203229-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031407d		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.19	1.1	2.7	0.61 J
1,1,2,2-Tetrachloroethane	79-34-5	0.45	1.4	3.4	0.66 J
1,1,2-Trichloroethane	79-00-5	0.65	1.1	2.7	0.86 J
1,1-Dichloroethane	75-34-3	0.18	0.81	2.0	Not Detected U
1,1-Dichloroethene	75-35-4	0.32	0.79	2.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	4.0	6.7	15	8.2 J
1,2,4-Trimethylbenzene	95-63-6	0.38	0.98	2.4	0.77 J
1,2-Dibromoethane (EDB)	106-93-4	0.99	1.5	3.8	1.7 J
1,2-Dichlorobenzene	95-50-1	0.55	1.2	3.0	1.4 J
1,2-Dichloroethane	107-06-2	0.21	0.81	2.0	0.84 J
1,2-Dichloropropane	78-87-5	0.37	0.92	2.3	0.69 J
1,3,5-Trimethylbenzene	108-67-8	0.40	0.98	2.4	0.44 J
1,3-Butadiene	106-99-0	0.36	0.44	1.1	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.66	1.2	3.0	1.5 J
1,4-Dichlorobenzene	106-46-7	0.36	1.2	3.0	1.8 J
1,4-Dioxane	123-91-1	1.6	3.2	7.2	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.30	0.93	2.3	0.46 J
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.3	2.6	5.9	Not Detected U
2-Hexanone	591-78-6	1.7	3.7	8.2	Not Detected U
2-Propanol	67-63-0	0.63	2.2	4.9	Not Detected U
3-Chloropropene	107-05-1	1.5	2.8	6.3	Not Detected U
4-Ethyltoluene	622-96-8	0.56	0.98	2.4	0.63 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	3/14/12 01:44 PM		
Lab ID:	1203229-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031407d		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.69	0.82	2.0	Not Detected U
Acetone	67-64-1	1.2	2.1	12	2.1 J
alpha-Chlorotoluene	100-44-7	0.38	1.0	2.6	0.80 J
Benzene	71-43-2	0.22	0.64	1.6	0.60 J
Bromodichloromethane	75-27-4	0.47	1.3	3.4	1.1 J
Bromoform	75-25-2	1.1	2.1	5.2	1.2 J
Bromomethane	74-83-9	0.52	0.78	19	Not Detected U
Carbon Disulfide	75-15-0	0.81	2.8	6.2	2.1 J
Carbon Tetrachloride	56-23-5	0.48	1.2	3.1	0.69 J
Chlorobenzene	108-90-7	0.85	0.92	2.3	2.0 J
Chloroethane	75-00-3	1.1	2.4	5.3	Not Detected U
Chloroform	67-66-3	0.31	0.98	2.4	0.62 J
Chloromethane	74-87-3	1.7	1.8	10	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.37	0.79	2.0	0.65 J
cis-1,3-Dichloropropene	10061-01-5	0.28	0.91	2.3	1.0 J
Cumene	98-82-8	0.32	0.98	2.4	Not Detected U
Cyclohexane	110-82-7	0.26	0.69	1.7	0.40 J
Dibromochloromethane	124-48-1	1.1	1.7	4.2	1.3 J
Ethanol	64-17-5	0.94	1.7	3.8	1.2 J
Ethyl Benzene	100-41-4	0.31	0.87	2.2	0.44 J
Freon 11	75-69-4	0.45	1.1	2.8	Not Detected U
Freon 113	76-13-1	0.63	1.5	3.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	3/14/12 01:44 PM		
Lab ID:	1203229-04A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031407d		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	0.38	1.4	3.5	Not Detected U
Freon 12	75-71-8	0.23	0.99	2.5	Not Detected U
Heptane	142-82-5	0.24	0.82	2.0	0.42 J
Hexachlorobutadiene	87-68-3	6.2	9.6	21	Not Detected U
Hexane	110-54-3	0.13	0.70	1.8	0.38 J
m,p-Xylene	108-38-3	0.35	0.87	2.2	0.87 J
Methyl tert-butyl ether	1634-04-4	0.12	0.72	1.8	0.40 J
Methylene Chloride	75-09-2	0.18	0.69	17	0.72 J
o-Xylene	95-47-6	0.41	0.87	2.2	0.41 J
Propylbenzene	103-65-1	0.35	0.98	2.4	0.44 J
Styrene	100-42-5	0.44	0.85	2.1	Not Detected U
Tetrachloroethene	127-18-4	0.75	1.4	3.4	1.1 J
Tetrahydrofuran	109-99-9	0.36	0.59	1.5	Not Detected U
Toluene	108-88-3	0.23	0.75	1.9	0.87 J
trans-1,2-Dichloroethene	156-60-5	0.45	0.79	2.0	0.98 J
trans-1,3-Dichloropropene	10061-02-6	0.54	0.91	2.3	1.4 J
Trichloroethene	79-01-6	0.60	1.1	2.7	1.0 J
Vinyl Chloride	75-01-4	0.31	0.51	1.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	Lab Blank	Date/Time Analyzed:	3/14/12 01:44 PM
Lab ID:	1203229-04A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031407d
Media:	NA - Not Applicable		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	104
4-Bromofluorobenzene	460-00-4	75-126	92
Toluene-d8	2037-26-5	74-121	96

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	3/14/12 11:59 AM
Lab ID:	1203229-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031403a
Media:	NA - Not Applicable		
Compound		CAS#	%Recovery
1,1,1-Trichloroethane		71-55-6	94
1,1,2,2-Tetrachloroethane		79-34-5	88
1,1,2-Trichloroethane		79-00-5	94
1,1-Dichloroethane		75-34-3	94
1,1-Dichloroethene		75-35-4	92
1,2,4-Trichlorobenzene		120-82-1	82
1,2,4-Trimethylbenzene		95-63-6	84
1,2-Dibromoethane (EDB)		106-93-4	92
1,2-Dichlorobenzene		95-50-1	81
1,2-Dichloroethane		107-06-2	100
1,2-Dichloropropane		78-87-5	92
1,3,5-Trimethylbenzene		108-67-8	86
1,3-Butadiene		106-99-0	88
1,3-Dichlorobenzene		541-73-1	84
1,4-Dichlorobenzene		106-46-7	81
1,4-Dioxane		123-91-1	89
2,2,4-Trimethylpentane		540-84-1	88
2-Butanone (Methyl Ethyl Ketone)		78-93-3	93
2-Hexanone		591-78-6	92
2-Propanol		67-63-0	88
3-Chloropropene		107-05-1	87
4-Ethyltoluene		622-96-8	87

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	3/14/12 11:59 AM
Lab ID:	1203229-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031403a
Media:	NA - Not Applicable		
Compound		CAS#	%Recovery
4-Methyl-2-pentanone		108-10-1	86
Acetone		67-64-1	92
alpha-Chlorotoluene		100-44-7	79
Benzene		71-43-2	87
Bromodichloromethane		75-27-4	93
Bromoform		75-25-2	87
Bromomethane		74-83-9	98
Carbon Disulfide		75-15-0	90
Carbon Tetrachloride		56-23-5	92
Chlorobenzene		108-90-7	79
Chloroethane		75-00-3	92
Chloroform		67-66-3	94
Chloromethane		74-87-3	83
cis-1,2-Dichloroethene		156-59-2	89
cis-1,3-Dichloropropene		10061-01-5	88
Cumene		98-82-8	89
Cyclohexane		110-82-7	90
Dibromochloromethane		124-48-1	90
Ethanol		64-17-5	85
Ethyl Benzene		100-41-4	90
Freon 11		75-69-4	96
Freon 113		76-13-1	90

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	3/14/12 11:59 AM
Lab ID:	1203229-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031403a
Media:	NA - Not Applicable		
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Compound	CAS#		%Recovery
Freon 114	76-14-2		94
Freon 12	75-71-8		98
Heptane	142-82-5		90
Hexachlorobutadiene	87-68-3		81
Hexane	110-54-3		88
m,p-Xylene	108-38-3		90
Methyl tert-butyl ether	1634-04-4		91
Methylene Chloride	75-09-2		93
o-Xylene	95-47-6		88
Propylbenzene	103-65-1		88
Styrene	100-42-5		87
Tetrachloroethene	127-18-4		89
Tetrahydrofuran	109-99-9		91
Toluene	108-88-3		86
trans-1,2-Dichloroethene	156-60-5		90
trans-1,3-Dichloropropene	10061-02-6		90
Trichloroethene	79-01-6		90
Vinyl Chloride	75-01-4		92

Surrogates	CAS#	Limits	%Recovery



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	CCV	Date/Time Analyzed:	3/14/12 11:59 AM
Lab ID:	1203229-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031403a
Media:	NA - Not Applicable		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	104
4-Bromofluorobenzene	460-00-4	75-126	96
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	3/14/12 12:39 PM
Lab ID:	1203229-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031404a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		108
1,1,2,2-Tetrachloroethane	79-34-5		102
1,1,2-Trichloroethane	79-00-5		108
1,1-Dichloroethane	75-34-3		108
1,1-Dichloroethene	75-35-4		111
1,2,4-Trichlorobenzene	120-82-1		86
1,2,4-Trimethylbenzene	95-63-6		95
1,2-Dibromoethane (EDB)	106-93-4		109
1,2-Dichlorobenzene	95-50-1		91
1,2-Dichloroethane	107-06-2		114
1,2-Dichloropropane	78-87-5		107
1,3,5-Trimethylbenzene	108-67-8		100
1,3-Butadiene	106-99-0		102
1,3-Dichlorobenzene	541-73-1		95
1,4-Dichlorobenzene	106-46-7		91
1,4-Dioxane	123-91-1		101
2,2,4-Trimethylpentane	540-84-1		98
2-Butanone (Methyl Ethyl Ketone)	78-93-3		107
2-Hexanone	591-78-6		108
2-Propanol	67-63-0		102
3-Chloropropene	107-05-1		116
4-Ethyltoluene	622-96-8		98

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	3/14/12 12:39 PM
Lab ID:	1203229-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031404a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		101
Acetone	67-64-1		102
alpha-Chlorotoluene	100-44-7		89
Benzene	71-43-2		101
Bromodichloromethane	75-27-4		109
Bromoform	75-25-2		100
Bromomethane	74-83-9		108
Carbon Disulfide	75-15-0		124
Carbon Tetrachloride	56-23-5		111
Chlorobenzene	108-90-7		91
Chloroethane	75-00-3		105
Chloroform	67-66-3		108
Chloromethane	74-87-3		91
cis-1,2-Dichloroethene	156-59-2		103
cis-1,3-Dichloropropene	10061-01-5		104
Cumene	98-82-8		103
Cyclohexane	110-82-7		102
Dibromochloromethane	124-48-1		106
Ethanol	64-17-5		94
Ethyl Benzene	100-41-4		103
Freon 11	75-69-4		111
Freon 113	76-13-1		103

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	3/14/12 12:39 PM
Lab ID:	1203229-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031404a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		108
Freon 12	75-71-8		112
Heptane	142-82-5		100
Hexachlorobutadiene	87-68-3		84
Hexane	110-54-3		101
m,p-Xylene	108-38-3		105
Methyl tert-butyl ether	1634-04-4		106
Methylene Chloride	75-09-2		106
o-Xylene	95-47-6		102
Propylbenzene	103-65-1		103
Styrene	100-42-5		106
Tetrachloroethene	127-18-4		101
Tetrahydrofuran	109-99-9		101
Toluene	108-88-3		101
trans-1,2-Dichloroethene	156-60-5		115
trans-1,3-Dichloropropene	10061-02-6		104
Trichloroethene	79-01-6		106
Vinyl Chloride	75-01-4		108

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCS	Date/Time Analyzed:	3/14/12 12:39 PM
Lab ID:	1203229-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031404a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	104
4-Bromofluorobenzene	460-00-4	75-126	95
Toluene-d8	2037-26-5	74-121	101

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	3/14/12 12:56 PM
Lab ID:	1203229-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031405a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		113
1,1,2,2-Tetrachloroethane	79-34-5		105
1,1,2-Trichloroethane	79-00-5		110
1,1-Dichloroethane	75-34-3		112
1,1-Dichloroethene	75-35-4		115
1,2,4-Trichlorobenzene	120-82-1		92
1,2,4-Trimethylbenzene	95-63-6		98
1,2-Dibromoethane (EDB)	106-93-4		110
1,2-Dichlorobenzene	95-50-1		95
1,2-Dichloroethane	107-06-2		114
1,2-Dichloropropane	78-87-5		107
1,3,5-Trimethylbenzene	108-67-8		102
1,3-Butadiene	106-99-0		103
1,3-Dichlorobenzene	541-73-1		99
1,4-Dichlorobenzene	106-46-7		95
1,4-Dioxane	123-91-1		100
2,2,4-Trimethylpentane	540-84-1		104
2-Butanone (Methyl Ethyl Ketone)	78-93-3		112
2-Hexanone	591-78-6		108
2-Propanol	67-63-0		106
3-Chloropropene	107-05-1		120
4-Ethyltoluene	622-96-8		99

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	3/14/12 12:56 PM
Lab ID:	1203229-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031405a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		97
Acetone	67-64-1		104
alpha-Chlorotoluene	100-44-7		91
Benzene	71-43-2		102
Bromodichloromethane	75-27-4		108
Bromoform	75-25-2		101
Bromomethane	74-83-9		114
Carbon Disulfide	75-15-0		130
Carbon Tetrachloride	56-23-5		119
Chlorobenzene	108-90-7		92
Chloroethane	75-00-3		109
Chloroform	67-66-3		112
Chloromethane	74-87-3		92
cis-1,2-Dichloroethene	156-59-2		108
cis-1,3-Dichloropropene	10061-01-5		101
Cumene	98-82-8		106
Cyclohexane	110-82-7		108
Dibromochloromethane	124-48-1		105
Ethanol	64-17-5		100
Ethyl Benzene	100-41-4		105
Freon 11	75-69-4		116
Freon 113	76-13-1		108

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	3/14/12 12:56 PM
Lab ID:	1203229-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031405a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		111
Freon 12	75-71-8		116
Heptane	142-82-5		100
Hexachlorobutadiene	87-68-3		89
Hexane	110-54-3		106
m,p-Xylene	108-38-3		107
Methyl tert-butyl ether	1634-04-4		111
Methylene Chloride	75-09-2		110
o-Xylene	95-47-6		104
Propylbenzene	103-65-1		105
Styrene	100-42-5		105
Tetrachloroethene	127-18-4		102
Tetrahydrofuran	109-99-9		104
Toluene	108-88-3		99
trans-1,2-Dichloroethene	156-60-5		121
trans-1,3-Dichloropropene	10061-02-6		104
Trichloroethene	79-01-6		107
Vinyl Chloride	75-01-4		112

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Monthly

Client ID:	LCSD	Date/Time Analyzed:	3/14/12 12:56 PM
Lab ID:	1203229-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msdj.i / j031405a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	110
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	97

* % Recovery is calculated using unrounded analytical results.

February 2012 Quarterly Data

3/5/2012
Ms. Jennifer Good
H&S Environmental
160 East Main Street #2F

Westborough MA 01581

Project Name: Bethpage Site 1 Quarterly
Project #: 2034-005
Workorder #: 1202317

Dear Ms. Jennifer Good

The following report includes the data for the above referenced project for sample(s) received on 2/15/2012 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

A Eurofins Lancaster Laboratories Company

WORK ORDER #: 1202317

Work Order Summary

CLIENT:	Ms. Jennifer Good H&S Environmental 160 East Main Street #2F Westborough, MA 01581	BILL TO:	Accounts Payable H&S Environmental 160 East Main Street #2F Westborough, MA 01581
PHONE:	508-366-7442	P.O. #	12-297
FAX:	508-366-7445	PROJECT #	2034-005 Bethpage Site 1 Quarterly
DATE RECEIVED:	02/15/2012	CONTACT:	Ausha Scott
DATE COMPLETED:	02/29/2012		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	SVE-101I-021012	Modified TO-15	3.5 "Hg	5 psi
01AA	SVE-101I-021012 Lab Duplicate	Modified TO-15	3.5 "Hg	5 psi
02A	SVE-101D-021012	Modified TO-15	3.0 "Hg	5 psi
03A	SVE-102I-021012	Modified TO-15	4.0 "Hg	5 psi
04A	SVE-102D-021012	Modified TO-15	3.5 "Hg	5 psi
05A	SVE-103I-021012	Modified TO-15	17.0 "Hg	5 psi
06A	SVE-103D-021012	Modified TO-15	4.0 "Hg	5 psi
06AA	SVE-103D-021012 Lab Duplicate	Modified TO-15	4.0 "Hg	5 psi
07A	SVE-104I-021012	Modified TO-15	3.5 "Hg	5 psi
08A	SVE-104D-021012	Modified TO-15	2.5 "Hg	5 psi
09A	SVE-105I-021012	Modified TO-15	2.5 "Hg	5 psi
10A	SVE-105D-021012	Modified TO-15	3.5 "Hg	5 psi
11A	SVE-106I-021012	Modified TO-15	3.0 "Hg	5 psi
12A	SVE-106D-021012	Modified TO-15	3.5 "Hg	5 psi
13A	Lab Blank	Modified TO-15	NA	NA
13B	Lab Blank	Modified TO-15	NA	NA
14A	CCV	Modified TO-15	NA	NA
14B	CCV	Modified TO-15	NA	NA
15A	LCS	Modified TO-15	NA	NA
15AA	LCSD	Modified TO-15	NA	NA
15B	LCS	Modified TO-15	NA	NA
15BB	LCSD	Modified TO-15	NA	NA

CERTIFIED BY:

DATE: 03/02/12

Laboratory Director

Certification numbers: AZ Licensure AZ0719, CA NELAP - 02110CA, LA NELAP - 02089,
 NY NELAP - 11291, TX NELAP - T104704434-11-3, UT NELAP - CA009332011-1, WA NELAP - C935
 Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
 Accreditation number: E87680, Effective date: 07/01/11 , Expiration date: 06/30/12.

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
 (916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

**LABORATORY NARRATIVE
EPA Method TO-15
H&S Environmental
Workorder# 1202317**

Twelve 6 Liter Summa Canister samples were received on February 15, 2012. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

Sample SVE-103I-021012 was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

Analytical Notes

As per client project requirements, the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. Concentrations that are below the level at which the canister was certified may be false positives.

Due to the linear calibration range of the instrument, the reporting limit for alpha-Chlorotoluene was raised from 0.5ppbv to 2.0ppbv.

Chloromethane, Vinyl Chloride, Bromomethane and Methylene Chloride were manually integrated in the initial calibration.

Acetone was manually integrated in sample SVE-105I-021012.

The CCV analyzed on 2/15/12 did not meet in-house generated control limits for Bromomethane.

The CCV analyzed on 2/16/12 did not meet in-house generated control limits for 1,2,4-Trichlorobenzene.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates

as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012	Date/Time Analyzed:	2/15/12 08:16 PM		
Lab ID:	1202317-01A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021519		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.5	6.6	16	1500
1,1,2,2-Tetrachloroethane	79-34-5	2.3	8.3	21	Not Detected U
1,1,2-Trichloroethane	79-00-5	6.5	6.6	16	4.0 J
1,1-Dichloroethane	75-34-3	2.0	4.9	12	28
1,1-Dichloroethene	75-35-4	3.9	4.8	12	7.6 J
1,2,4-Trichlorobenzene	120-82-1	11	36	90	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	2.0	6.0	15	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	2.4	9.3	23	Not Detected U
1,2-Dichlorobenzene	95-50-1	4.9	7.3	18	Not Detected U
1,2-Dichloroethane	107-06-2	2.2	4.9	12	6.9 J
1,2-Dichloropropane	78-87-5	3.2	5.6	14	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	2.9	6.0	15	Not Detected U
1,3-Butadiene	106-99-0	1.7	2.7	6.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	4.7	7.3	18	Not Detected U
1,4-Dichlorobenzene	106-46-7	4.1	7.3	18	Not Detected U
1,4-Dioxane	123-91-1	7.0	18	44	Not Detected U
2,2,4-Trimethylpentane	540-84-1	3.1	5.7	14	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	7.0	14	36	Not Detected U
2-Hexanone	591-78-6	3.2	20	50	Not Detected U
2-Propanol	67-63-0	4.6	12	30	Not Detected U
3-Chloropropene	107-05-1	6.2	15	38	Not Detected U
4-Ethyltoluene	622-96-8	1.6	6.0	15	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012	Date/Time Analyzed:	2/15/12 08:16 PM		
Lab ID:	1202317-01A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021519		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	2.3	20	12	Not Detected U
Acetone	67-64-1	7.4	12	29	22 J
alpha-Chlorotoluene	100-44-7	1.3	6.3	63	Not Detected U
Benzene	71-43-2	2.3	3.9	9.7	Not Detected U
Bromodichloromethane	75-27-4	3.8	8.1	20	Not Detected U
Bromoform	75-25-2	4.5	12	31	Not Detected U
Bromomethane	74-83-9	5.3	4.7	12	Not Detected U
Carbon Disulfide	75-15-0	12	15	38	Not Detected U
Carbon Tetrachloride	56-23-5	2.0	7.6	19	Not Detected U
Chlorobenzene	108-90-7	2.9	5.6	14	Not Detected U
Chloroethane	75-00-3	8.4	13	32	Not Detected U
Chloroform	67-66-3	2.5	5.9	15	Not Detected U
Chloromethane	74-87-3	3.8	10	25	Not Detected U
cis-1,2-Dichloroethene	156-59-2	4.2	4.8	12	7.1 J
cis-1,3-Dichloropropene	10061-01-5	2.8	5.5	14	Not Detected U
Cumene	98-82-8	1.8	6.0	15	Not Detected U
Cyclohexane	110-82-7	2.0	4.2	10	Not Detected U
Dibromochloromethane	124-48-1	4.6	10	26	Not Detected U
Ethanol	64-17-5	3.3	9.2	23	6.9 J
Ethyl Benzene	100-41-4	3.6	5.3	13	Not Detected U
Freon 11	75-69-4	3.0	6.8	17	Not Detected U
Freon 113	76-13-1	5.4	9.3	23	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012	Date/Time Analyzed:	2/15/12 08:16 PM		
Lab ID:	1202317-01A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021519		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	6.1	8.5	21	Not Detected U
Freon 12	75-71-8	4.2	6.0	15	Not Detected U
Heptane	142-82-5	3.3	5.0	12	Not Detected U
Hexachlorobutadiene	87-68-3	28	52	130	Not Detected U
Hexane	110-54-3	2.6	4.3	11	Not Detected U
m,p-Xylene	108-38-3	1.8	5.3	13	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.80	4.4	11	Not Detected U
Methylene Chloride	75-09-2	3.1	4.2	10	2.3 J
o-Xylene	95-47-6	2.6	5.3	13	Not Detected U
Propylbenzene	103-65-1	1.0	6.0	15	Not Detected U
Styrene	100-42-5	1.1	5.2	13	Not Detected U
Tetrachloroethene	127-18-4	6.0	8.2	21	48
Tetrahydrofuran	109-99-9	1.5	3.6	9.0	Not Detected U
Toluene	108-88-3	2.3	4.6	11	Not Detected U
trans-1,2-Dichloroethene	156-60-5	7.9	4.8	12	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	2.4	5.5	14	Not Detected U
Trichloroethene	79-01-6	5.8	6.5	16	4200
Vinyl Chloride	75-01-4	3.0	3.1	7.8	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012	Date/Time Analyzed:	2/15/12 08:16 PM
Lab ID:	1202317-01A	Dilution Factor:	6.08
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021519
Media:	6 Liter Summa Canister		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	97
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012 Lab Duplicate	Date/Time Analyzed:	2/15/12 08:45 PM		
Lab ID:	1202317-01AA	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021520		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.5	6.6	16	1600
1,1,2,2-Tetrachloroethane	79-34-5	2.3	8.3	21	Not Detected U
1,1,2-Trichloroethane	79-00-5	6.5	6.6	16	4.3 J
1,1-Dichloroethane	75-34-3	2.0	4.9	12	27
1,1-Dichloroethene	75-35-4	3.9	4.8	12	6.2 J
1,2,4-Trichlorobenzene	120-82-1	11	36	90	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	2.0	6.0	15	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	2.4	9.3	23	Not Detected U
1,2-Dichlorobenzene	95-50-1	4.9	7.3	18	Not Detected U
1,2-Dichloroethane	107-06-2	2.2	4.9	12	6.5 J
1,2-Dichloropropane	78-87-5	3.2	5.6	14	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	2.9	6.0	15	Not Detected U
1,3-Butadiene	106-99-0	1.7	2.7	6.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	4.7	7.3	18	Not Detected U
1,4-Dichlorobenzene	106-46-7	4.1	7.3	18	Not Detected U
1,4-Dioxane	123-91-1	7.0	18	44	Not Detected U
2,2,4-Trimethylpentane	540-84-1	3.1	5.7	14	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	7.0	14	36	Not Detected U
2-Hexanone	591-78-6	3.2	20	50	Not Detected U
2-Propanol	67-63-0	4.6	12	30	Not Detected U
3-Chloropropene	107-05-1	6.2	15	38	Not Detected U
4-Ethyltoluene	622-96-8	1.6	6.0	15	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012 Lab Duplicate			
Lab ID:	1202317-01AA		Date/Time Analyzed:	2/15/12 08:45 PM
Date/Time Collecte	2/10/12 12:00 AM		Dilution Factor:	6.08
Media:	6 Liter Summa Canister		Instrument/Filename:	msd2.i / 2021520
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)
				Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	2.3	20	12
Acetone	67-64-1	7.4	12	29
alpha-Chlorotoluene	100-44-7	1.3	6.3	63
Benzene	71-43-2	2.3	3.9	9.7
Bromodichloromethane	75-27-4	3.8	8.1	20
Bromoform	75-25-2	4.5	12	31
Bromomethane	74-83-9	5.3	4.7	12
Carbon Disulfide	75-15-0	12	15	38
Carbon Tetrachloride	56-23-5	2.0	7.6	19
Chlorobenzene	108-90-7	2.9	5.6	14
Chloroethane	75-00-3	8.4	13	32
Chloroform	67-66-3	2.5	5.9	15
Chloromethane	74-87-3	3.8	10	25
cis-1,2-Dichloroethene	156-59-2	4.2	4.8	12
cis-1,3-Dichloropropene	10061-01-5	2.8	5.5	14
Cumene	98-82-8	1.8	6.0	15
Cyclohexane	110-82-7	2.0	4.2	10
Dibromochloromethane	124-48-1	4.6	10	26
Ethanol	64-17-5	3.3	9.2	23
Ethyl Benzene	100-41-4	3.6	5.3	13
Freon 11	75-69-4	3.0	6.8	17
Freon 113	76-13-1	5.4	9.3	23

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012 Lab Duplicate	Date/Time Analyzed:	2/15/12 08:45 PM		
Lab ID:	1202317-01AA	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021520		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	6.1	8.5	21	Not Detected U
Freon 12	75-71-8	4.2	6.0	15	Not Detected U
Heptane	142-82-5	3.3	5.0	12	Not Detected U
Hexachlorobutadiene	87-68-3	28	52	130	Not Detected U
Hexane	110-54-3	2.6	4.3	11	Not Detected U
m,p-Xylene	108-38-3	1.8	5.3	13	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.80	4.4	11	Not Detected U
Methylene Chloride	75-09-2	3.1	4.2	10	Not Detected U
o-Xylene	95-47-6	2.6	5.3	13	Not Detected U
Propylbenzene	103-65-1	1.0	6.0	15	Not Detected U
Styrene	100-42-5	1.1	5.2	13	Not Detected U
Tetrachloroethene	127-18-4	6.0	8.2	21	44
Tetrahydrofuran	109-99-9	1.5	3.6	9.0	Not Detected U
Toluene	108-88-3	2.3	4.6	11	Not Detected U
trans-1,2-Dichloroethene	156-60-5	7.9	4.8	12	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	2.4	5.5	14	Not Detected U
Trichloroethene	79-01-6	5.8	6.5	16	4100
Vinyl Chloride	75-01-4	3.0	3.1	7.8	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101I-021012 Lab Duplicate	Date/Time Analyzed:	2/15/12 08:45 PM
Lab ID:	1202317-01AA	Dilution Factor:	6.08
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021520
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	102
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101D-021012	Date/Time Analyzed:	2/15/12 09:22 PM		
Lab ID:	1202317-02A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021521		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.38	1.6	4.1	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.56	2.0	5.1	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.49	1.2	3.0	Not Detected U
1,1-Dichloroethene	75-35-4	0.96	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.8	8.8	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.49	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.59	2.3	5.7	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.5	Not Detected U
1,2-Dichloroethane	107-06-2	0.53	1.2	3.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.80	1.4	3.4	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.72	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.42	0.66	1.6	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.8	4.5	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.8	4.5	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.3	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.77	1.4	3.5	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.7	3.5	8.8	Not Detected U
2-Hexanone	591-78-6	0.79	4.9	12	Not Detected U
2-Propanol	67-63-0	1.1	2.9	7.3	Not Detected U
3-Chloropropene	107-05-1	1.5	3.7	9.3	Not Detected U
4-Ethyltoluene	622-96-8	0.40	1.5	3.7	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101D-021012	Date/Time Analyzed:	2/15/12 09:22 PM		
Lab ID:	1202317-02A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021521		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.58	4.9	3.0	Not Detected U
Acetone	67-64-1	1.8	2.8	7.1	4.4 J
alpha-Chlorotoluene	100-44-7	0.33	1.5	15	Not Detected U
Benzene	71-43-2	0.55	0.95	2.4	0.59 J
Bromodichloromethane	75-27-4	0.94	2.0	5.0	Not Detected U
Bromoform	75-25-2	1.1	3.1	7.7	Not Detected U
Bromomethane	74-83-9	1.3	1.2	2.9	Not Detected U
Carbon Disulfide	75-15-0	2.8	3.7	9.3	Not Detected U
Carbon Tetrachloride	56-23-5	0.50	1.9	4.7	Not Detected U
Chlorobenzene	108-90-7	0.71	1.4	3.4	Not Detected U
Chloroethane	75-00-3	2.0	3.1	7.9	Not Detected U
Chloroform	67-66-3	0.62	1.4	3.6	Not Detected U
Chloromethane	74-87-3	0.92	2.5	6.2	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	3.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.70	1.4	3.4	Not Detected U
Cumene	98-82-8	0.44	1.5	3.7	Not Detected U
Cyclohexane	110-82-7	0.50	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.1	2.5	6.3	Not Detected U
Ethanol	64-17-5	0.81	2.2	5.6	2.4 J
Ethyl Benzene	100-41-4	0.87	1.3	3.2	Not Detected U
Freon 11	75-69-4	0.74	1.7	4.2	1.2 J
Freon 113	76-13-1	1.3	2.3	5.7	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101D-021012	Date/Time Analyzed:	2/15/12 09:22 PM		
Lab ID:	1202317-02A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021521		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.1	5.2	Not Detected U
Freon 12	75-71-8	1.0	1.5	3.7	1.4 J
Heptane	142-82-5	0.80	1.2	3.0	Not Detected U
Hexachlorobutadiene	87-68-3	7.0	13	32	Not Detected U
Hexane	110-54-3	0.64	1.0	2.6	Not Detected U
m,p-Xylene	108-38-3	0.45	1.3	3.2	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.76	1.0	2.6	0.54 J
o-Xylene	95-47-6	0.63	1.3	3.2	Not Detected U
Propylbenzene	103-65-1	0.26	1.5	3.7	Not Detected U
Styrene	100-42-5	0.27	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.4	2.0	5.0	Not Detected U
Tetrahydrofuran	109-99-9	0.37	0.88	2.2	Not Detected U
Toluene	108-88-3	0.56	1.1	2.8	0.82 J
trans-1,2-Dichloroethene	156-60-5	1.9	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.58	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	4.0	Not Detected U
Vinyl Chloride	75-01-4	0.72	0.76	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-101D-021012	Date/Time Analyzed:	2/15/12 09:22 PM
Lab ID:	1202317-02A	Dilution Factor:	1.49
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021521
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	100
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102I-021012	Date/Time Analyzed:	2/15/12 10:00 PM		
Lab ID:	1202317-03A	Dilution Factor:	1.55		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021522		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.39	1.7	4.2	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.59	2.1	5.3	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.7	1.7	4.2	Not Detected U
1,1-Dichloroethane	75-34-3	0.51	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.99	1.2	3.1	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.9	9.2	23	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.51	1.5	3.8	0.77 J
1,2-Dibromoethane (EDB)	106-93-4	0.62	2.4	6.0	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.9	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.55	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.83	1.4	3.6	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.75	1.5	3.8	Not Detected U
1,3-Butadiene	106-99-0	0.44	0.68	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.9	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.9	4.6	Not Detected U
1,4-Dioxane	123-91-1	1.8	4.5	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.80	1.4	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.8	3.6	9.1	Not Detected U
2-Hexanone	591-78-6	0.82	5.1	13	Not Detected U
2-Propanol	67-63-0	1.2	3.0	7.6	Not Detected U
3-Chloropropene	107-05-1	1.6	3.9	9.7	Not Detected U
4-Ethyltoluene	622-96-8	0.42	1.5	3.8	0.64 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102I-021012	Date/Time Analyzed:	2/15/12 10:00 PM		
Lab ID:	1202317-03A	Dilution Factor:	1.55		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021522		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.60	5.1	3.2	Not Detected U
Acetone	67-64-1	1.9	2.9	7.4	7.8
alpha-Chlorotoluene	100-44-7	0.34	1.6	16	Not Detected U
Benzene	71-43-2	0.58	0.99	2.5	Not Detected U
Bromodichloromethane	75-27-4	0.98	2.1	5.2	Not Detected U
Bromoform	75-25-2	1.2	3.2	8.0	Not Detected U
Bromomethane	74-83-9	1.3	1.2	3.0	Not Detected U
Carbon Disulfide	75-15-0	3.0	3.9	9.6	Not Detected U
Carbon Tetrachloride	56-23-5	0.52	2.0	4.9	Not Detected U
Chlorobenzene	108-90-7	0.74	1.4	3.6	Not Detected U
Chloroethane	75-00-3	2.1	3.3	8.2	Not Detected U
Chloroform	67-66-3	0.65	1.5	3.8	0.75 J
Chloromethane	74-87-3	0.96	2.6	6.4	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.1	1.2	3.1	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.73	1.4	3.5	Not Detected U
Cumene	98-82-8	0.46	1.5	3.8	Not Detected U
Cyclohexane	110-82-7	0.52	1.1	2.7	Not Detected U
Dibromochloromethane	124-48-1	1.2	2.6	6.6	Not Detected U
Ethanol	64-17-5	0.84	2.3	5.8	3.0 J
Ethyl Benzene	100-41-4	0.91	1.3	3.4	Not Detected U
Freon 11	75-69-4	0.76	1.7	4.4	1.1 J
Freon 113	76-13-1	1.4	2.4	5.9	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102I-021012	Date/Time Analyzed:	2/15/12 10:00 PM		
Lab ID:	1202317-03A	Dilution Factor:	1.55		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021522		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.6	2.2	5.4	Not Detected U
Freon 12	75-71-8	1.1	1.5	3.8	1.9 J
Heptane	142-82-5	0.83	1.3	3.2	Not Detected U
Hexachlorobutadiene	87-68-3	7.2	13	33	Not Detected U
Hexane	110-54-3	0.67	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.47	1.3	3.4	0.63 J
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.8	Not Detected U
Methylene Chloride	75-09-2	0.79	1.1	2.7	1.3 J
o-Xylene	95-47-6	0.66	1.3	3.4	Not Detected U
Propylbenzene	103-65-1	0.27	1.5	3.8	Not Detected U
Styrene	100-42-5	0.28	1.3	3.3	Not Detected U
Tetrachloroethene	127-18-4	1.5	2.1	5.2	Not Detected U
Tetrahydrofuran	109-99-9	0.38	0.91	2.3	Not Detected U
Toluene	108-88-3	0.58	1.2	2.9	0.66 J
trans-1,2-Dichloroethene	156-60-5	2.0	1.2	3.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.60	1.4	3.5	Not Detected U
Trichloroethene	79-01-6	1.5	1.7	4.2	10
Vinyl Chloride	75-01-4	0.75	0.79	2.0	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102I-021012	Date/Time Analyzed:	2/15/12 10:00 PM
Lab ID:	1202317-03A	Dilution Factor:	1.55
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021522
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	107
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102D-021012	Date/Time Analyzed:	2/15/12 10:38 PM		
Lab ID:	1202317-04A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021523		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.38	1.6	4.1	1.4 J
1,1,2,2-Tetrachloroethane	79-34-5	0.58	2.1	5.2	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.50	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.97	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.8	9.0	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.50	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.61	2.3	5.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.54	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.81	1.4	3.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.73	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.43	0.67	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.8	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.8	4.6	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.4	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.78	1.4	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.8	3.6	9.0	Not Detected U
2-Hexanone	591-78-6	0.81	5.0	12	Not Detected U
2-Propanol	67-63-0	1.2	3.0	7.5	Not Detected U
3-Chloropropene	107-05-1	1.6	3.8	9.5	Not Detected U
4-Ethyltoluene	622-96-8	0.41	1.5	3.7	0.36 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102D-021012	Date/Time Analyzed:	2/15/12 10:38 PM		
Lab ID:	1202317-04A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021523		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.59	5.0	3.1	Not Detected U
Acetone	67-64-1	1.8	2.9	7.2	8.4
alpha-Chlorotoluene	100-44-7	0.33	1.6	16	Not Detected U
Benzene	71-43-2	0.57	0.97	2.4	Not Detected U
Bromodichloromethane	75-27-4	0.96	2.0	5.1	Not Detected U
Bromoform	75-25-2	1.1	3.1	7.8	Not Detected U
Bromomethane	74-83-9	1.3	1.2	3.0	Not Detected U
Carbon Disulfide	75-15-0	2.9	3.8	9.5	Not Detected U
Carbon Tetrachloride	56-23-5	0.51	1.9	4.8	Not Detected U
Chlorobenzene	108-90-7	0.72	1.4	3.5	Not Detected U
Chloroethane	75-00-3	2.1	3.2	8.0	Not Detected U
Chloroform	67-66-3	0.64	1.5	3.7	19
Chloromethane	74-87-3	0.94	2.5	6.3	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	3.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.71	1.4	3.4	Not Detected U
Cumene	98-82-8	0.45	1.5	3.7	Not Detected U
Cyclohexane	110-82-7	0.51	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.2	2.6	6.5	Not Detected U
Ethanol	64-17-5	0.82	2.3	5.7	Not Detected U
Ethyl Benzene	100-41-4	0.89	1.3	3.3	Not Detected U
Freon 11	75-69-4	0.75	1.7	4.3	4.8
Freon 113	76-13-1	1.3	2.3	5.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102D-021012	Date/Time Analyzed:	2/15/12 10:38 PM		
Lab ID:	1202317-04A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021523		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.1	5.3	Not Detected U
Freon 12	75-71-8	1.0	1.5	3.8	2.6 J
Heptane	142-82-5	0.82	1.2	3.1	Not Detected U
Hexachlorobutadiene	87-68-3	7.1	13	32	Not Detected U
Hexane	110-54-3	0.66	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.46	1.3	3.3	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.78	1.0	2.6	1.0 J
o-Xylene	95-47-6	0.65	1.3	3.3	Not Detected U
Propylbenzene	103-65-1	0.26	1.5	3.7	Not Detected U
Styrene	100-42-5	0.28	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.5	2.1	5.2	5.9
Tetrahydrofuran	109-99-9	0.38	0.90	2.2	0.54 J
Toluene	108-88-3	0.57	1.1	2.9	0.49 J
trans-1,2-Dichloroethene	156-60-5	2.0	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.59	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	4.1	34
Vinyl Chloride	75-01-4	0.74	0.78	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-102D-021012	Date/Time Analyzed:	2/15/12 10:38 PM
Lab ID:	1202317-04A	Dilution Factor:	1.52
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021523
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	99

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103I-021012	Date/Time Analyzed:	2/16/12 11:28 AM		
Lab ID:	1202317-05A	Dilution Factor:	3.09		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021607		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.78	3.4	8.4	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	1.2	4.2	11	Not Detected U
1,1,2-Trichloroethane	79-00-5	3.3	3.4	8.4	Not Detected U
1,1-Dichloroethane	75-34-3	1.0	2.5	6.2	Not Detected U
1,1-Dichloroethene	75-35-4	2.0	2.4	6.1	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	5.7	18	46	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	1.0	3.0	7.6	2.2 J
1,2-Dibromoethane (EDB)	106-93-4	1.2	4.7	12	Not Detected U
1,2-Dichlorobenzene	95-50-1	2.5	3.7	9.3	Not Detected U
1,2-Dichloroethane	107-06-2	1.1	2.5	6.2	Not Detected U
1,2-Dichloropropane	78-87-5	1.6	2.8	7.1	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	1.5	3.0	7.6	Not Detected U
1,3-Butadiene	106-99-0	0.87	1.4	3.4	Not Detected U
1,3-Dichlorobenzene	541-73-1	2.4	3.7	9.3	1.1 J
1,4-Dichlorobenzene	106-46-7	2.1	3.7	9.3	Not Detected U
1,4-Dioxane	123-91-1	3.5	8.9	22	Not Detected U
2,2,4-Trimethylpentane	540-84-1	1.6	2.9	7.2	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	3.6	7.3	18	4.7 J
2-Hexanone	591-78-6	1.6	10	25	Not Detected U
2-Propanol	67-63-0	2.4	6.1	15	Not Detected U
3-Chloropropene	107-05-1	3.2	7.7	19	Not Detected U
4-Ethyltoluene	622-96-8	0.83	3.0	7.6	1.5 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103I-021012	Date/Time Analyzed:	2/16/12 11:28 AM		
Lab ID:	1202317-05A	Dilution Factor:	3.09		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021607		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.2	10	6.3	Not Detected U
Acetone	67-64-1	3.8	5.9	15	65
alpha-Chlorotoluene	100-44-7	0.68	3.2	32	Not Detected U
Benzene	71-43-2	1.2	2.0	4.9	Not Detected U
Bromodichloromethane	75-27-4	2.0	4.1	10	Not Detected U
Bromoform	75-25-2	2.3	6.4	16	Not Detected U
Bromomethane	74-83-9	2.7	2.4	6.0	Not Detected U
Carbon Disulfide	75-15-0	5.9	7.7	19	Not Detected U
Carbon Tetrachloride	56-23-5	1.0	3.9	9.7	Not Detected U
Chlorobenzene	108-90-7	1.5	2.8	7.1	Not Detected U
Chloroethane	75-00-3	4.2	6.5	16	Not Detected U
Chloroform	67-66-3	1.3	3.0	7.5	Not Detected U
Chloromethane	74-87-3	1.9	5.1	13	Not Detected U
cis-1,2-Dichloroethene	156-59-2	2.1	2.4	6.1	18
cis-1,3-Dichloropropene	10061-01-5	1.4	2.8	7.0	Not Detected U
Cumene	98-82-8	0.92	3.0	7.6	Not Detected U
Cyclohexane	110-82-7	1.0	2.1	5.3	Not Detected U
Dibromochloromethane	124-48-1	2.3	5.3	13	Not Detected U
Ethanol	64-17-5	1.7	4.6	12	Not Detected U
Ethyl Benzene	100-41-4	1.8	2.7	6.7	Not Detected U
Freon 11	75-69-4	1.5	3.5	8.7	Not Detected U
Freon 113	76-13-1	2.7	4.7	12	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103I-021012	Date/Time Analyzed:	2/16/12 11:28 AM		
Lab ID:	1202317-05A	Dilution Factor:	3.09		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021607		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	3.1	4.3	11	Not Detected U
Freon 12	75-71-8	2.1	3.0	7.6	2.0 J
Heptane	142-82-5	1.7	2.5	6.3	Not Detected U
Hexachlorobutadiene	87-68-3	14	26	66	Not Detected U
Hexane	110-54-3	1.3	2.2	5.4	Not Detected U
m,p-Xylene	108-38-3	0.93	2.7	6.7	1.8 J
Methyl tert-butyl ether	1634-04-4	0.40	2.2	5.6	Not Detected U
Methylene Chloride	75-09-2	1.6	2.1	5.4	9.0
o-Xylene	95-47-6	1.3	2.7	6.7	Not Detected U
Propylbenzene	103-65-1	0.54	3.0	7.6	Not Detected U
Styrene	100-42-5	0.57	2.6	6.6	Not Detected U
Tetrachloroethene	127-18-4	3.0	4.2	10	140
Tetrahydrofuran	109-99-9	0.77	1.8	4.6	3.4 J
Toluene	108-88-3	1.2	2.3	5.8	Not Detected U
trans-1,2-Dichloroethene	156-60-5	4.0	2.4	6.1	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	1.2	2.8	7.0	Not Detected U
Trichloroethene	79-01-6	3.0	3.3	8.3	29
Vinyl Chloride	75-01-4	1.5	1.6	3.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103I-021012	Date/Time Analyzed:	2/16/12 11:28 AM
Lab ID:	1202317-05A	Dilution Factor:	3.09
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021607
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	106
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012	Date/Time Analyzed:	2/16/12 12:43 PM		
Lab ID:	1202317-06A	Dilution Factor:	4.13		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021609		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.0	4.5	11	7.4 J
1,1,2,2-Tetrachloroethane	79-34-5	1.6	5.7	14	Not Detected U
1,1,2-Trichloroethane	79-00-5	4.4	4.5	11	Not Detected U
1,1-Dichloroethane	75-34-3	1.4	3.3	8.4	1.6 J
1,1-Dichloroethene	75-35-4	2.6	3.3	8.2	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	7.6	24	61	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	1.4	4.1	10	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	1.6	6.3	16	Not Detected U
1,2-Dichlorobenzene	95-50-1	3.4	5.0	12	Not Detected U
1,2-Dichloroethane	107-06-2	1.5	3.3	8.4	Not Detected U
1,2-Dichloropropane	78-87-5	2.2	3.8	9.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	2.0	4.1	10	Not Detected U
1,3-Butadiene	106-99-0	1.2	1.8	4.6	Not Detected U
1,3-Dichlorobenzene	541-73-1	3.2	5.0	12	Not Detected U
1,4-Dichlorobenzene	106-46-7	2.8	5.0	12	Not Detected U
1,4-Dioxane	123-91-1	4.7	12	30	Not Detected U
2,2,4-Trimethylpentane	540-84-1	2.1	3.8	9.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	4.8	9.7	24	Not Detected U
2-Hexanone	591-78-6	2.2	14	34	Not Detected U
2-Propanol	67-63-0	3.2	8.1	20	Not Detected U
3-Chloropropene	107-05-1	4.2	10	26	Not Detected U
4-Ethyltoluene	622-96-8	1.1	4.1	10	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012	Date/Time Analyzed:	2/16/12 12:43 PM		
Lab ID:	1202317-06A	Dilution Factor:	4.13		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021609		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	1.6	14	8.4	Not Detected U
Acetone	67-64-1	5.0	7.8	20	13 J
alpha-Chlorotoluene	100-44-7	0.90	4.3	43	Not Detected U
Benzene	71-43-2	1.5	2.6	6.6	Not Detected U
Bromodichloromethane	75-27-4	2.6	5.5	14	Not Detected U
Bromoform	75-25-2	3.1	8.5	21	Not Detected U
Bromomethane	74-83-9	3.6	3.2	8.0	Not Detected U
Carbon Disulfide	75-15-0	7.9	10	26	Not Detected U
Carbon Tetrachloride	56-23-5	1.4	5.2	13	Not Detected U
Chlorobenzene	108-90-7	2.0	3.8	9.5	Not Detected U
Chloroethane	75-00-3	5.7	8.7	22	Not Detected U
Chloroform	67-66-3	1.7	4.0	10	3.6 J
Chloromethane	74-87-3	2.6	6.8	17	Not Detected U
cis-1,2-Dichloroethene	156-59-2	2.8	3.3	8.2	290
cis-1,3-Dichloropropene	10061-01-5	1.9	3.7	9.4	Not Detected U
Cumene	98-82-8	1.2	4.1	10	Not Detected U
Cyclohexane	110-82-7	1.4	2.8	7.1	Not Detected U
Dibromochloromethane	124-48-1	3.1	7.0	18	Not Detected U
Ethanol	64-17-5	2.2	6.2	16	5.5 J
Ethyl Benzene	100-41-4	2.4	3.6	9.0	Not Detected U
Freon 11	75-69-4	2.0	4.6	12	Not Detected U
Freon 113	76-13-1	3.6	6.3	16	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012	Date/Time Analyzed:	2/16/12 12:43 PM		
Lab ID:	1202317-06A	Dilution Factor:	4.13		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021609		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	4.1	5.8	14	Not Detected U
Freon 12	75-71-8	2.8	4.1	10	Not Detected U
Heptane	142-82-5	2.2	3.4	8.5	Not Detected U
Hexachlorobutadiene	87-68-3	19	35	88	Not Detected U
Hexane	110-54-3	1.8	2.9	7.3	Not Detected U
m,p-Xylene	108-38-3	1.2	3.6	9.0	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.54	3.0	7.4	Not Detected U
Methylene Chloride	75-09-2	2.1	2.9	7.2	Not Detected U
o-Xylene	95-47-6	1.8	3.6	9.0	Not Detected U
Propylbenzene	103-65-1	0.72	4.1	10	Not Detected U
Styrene	100-42-5	0.76	3.5	8.8	Not Detected U
Tetrachloroethene	127-18-4	4.0	5.6	14	3800
Tetrahydrofuran	109-99-9	1.0	2.4	6.1	2.0 J
Toluene	108-88-3	1.5	3.1	7.8	Not Detected U
trans-1,2-Dichloroethene	156-60-5	5.4	3.3	8.2	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	1.6	3.7	9.4	Not Detected U
Trichloroethene	79-01-6	4.0	4.4	11	180
Vinyl Chloride	75-01-4	2.0	2.1	5.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012	Date/Time Analyzed:	2/16/12 12:43 PM
Lab ID:	1202317-06A	Dilution Factor:	4.13
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021609
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	97
4-Bromofluorobenzene	460-00-4	75-126	98
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012 Lab Duplicate	Date/Time Analyzed:	2/16/12 12:04 PM		
Lab ID:	1202317-06AA	Dilution Factor:	6.20		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021608		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.6	6.8	17	7.2 J
1,1,2,2-Tetrachloroethane	79-34-5	2.4	8.5	21	Not Detected U
1,1,2-Trichloroethane	79-00-5	6.7	6.8	17	Not Detected U
1,1-Dichloroethane	75-34-3	2.0	5.0	12	Not Detected U
1,1-Dichloroethene	75-35-4	4.0	4.9	12	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	11	37	92	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	2.0	6.1	15	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	2.5	9.5	24	Not Detected U
1,2-Dichlorobenzene	95-50-1	5.0	7.4	19	Not Detected U
1,2-Dichloroethane	107-06-2	2.2	5.0	12	Not Detected U
1,2-Dichloropropane	78-87-5	3.3	5.7	14	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	3.0	6.1	15	Not Detected U
1,3-Butadiene	106-99-0	1.8	2.7	6.8	Not Detected U
1,3-Dichlorobenzene	541-73-1	4.8	7.4	19	Not Detected U
1,4-Dichlorobenzene	106-46-7	4.2	7.4	19	Not Detected U
1,4-Dioxane	123-91-1	7.1	18	45	Not Detected U
2,2,4-Trimethylpentane	540-84-1	3.2	5.8	14	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	7.2	15	36	Not Detected U
2-Hexanone	591-78-6	3.3	20	51	Not Detected U
2-Propanol	67-63-0	4.7	12	30	Not Detected U
3-Chloropropene	107-05-1	6.3	16	39	Not Detected U
4-Ethyltoluene	622-96-8	1.7	6.1	15	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012 Lab Duplicate	Date/Time Analyzed:	2/16/12 12:04 PM		
Lab ID:	1202317-06AA	Dilution Factor:	6.20		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021608		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	2.4	20	13	Not Detected U
Acetone	67-64-1	7.5	12	29	35
alpha-Chlorotoluene	100-44-7	1.4	6.4	64	Not Detected U
Benzene	71-43-2	2.3	4.0	9.9	Not Detected U
Bromodichloromethane	75-27-4	3.9	8.3	21	Not Detected U
Bromoform	75-25-2	4.6	13	32	Not Detected U
Bromomethane	74-83-9	5.4	4.8	12	Not Detected U
Carbon Disulfide	75-15-0	12	15	39	Not Detected U
Carbon Tetrachloride	56-23-5	2.1	7.8	20	Not Detected U
Chlorobenzene	108-90-7	2.9	5.7	14	Not Detected U
Chloroethane	75-00-3	8.5	13	33	Not Detected U
Chloroform	67-66-3	2.6	6.0	15	3.5 J
Chloromethane	74-87-3	3.8	10	26	Not Detected U
cis-1,2-Dichloroethene	156-59-2	4.2	4.9	12	300
cis-1,3-Dichloropropene	10061-01-5	2.9	5.6	14	Not Detected U
Cumene	98-82-8	1.8	6.1	15	Not Detected U
Cyclohexane	110-82-7	2.1	4.3	11	Not Detected U
Dibromochloromethane	124-48-1	4.7	10	26	Not Detected U
Ethanol	64-17-5	3.4	9.3	23	6.7 J
Ethyl Benzene	100-41-4	3.6	5.4	13	Not Detected U
Freon 11	75-69-4	3.1	7.0	17	Not Detected U
Freon 113	76-13-1	5.5	9.5	24	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012 Lab Duplicate	Date/Time Analyzed:	2/16/12 12:04 PM		
Lab ID:	1202317-06AA	Dilution Factor:	6.20		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021608		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	6.2	8.7	22	Not Detected U
Freon 12	75-71-8	4.2	6.1	15	Not Detected U
Heptane	142-82-5	3.3	5.1	13	Not Detected U
Hexachlorobutadiene	87-68-3	29	53	130	Not Detected U
Hexane	110-54-3	2.7	4.4	11	Not Detected U
m,p-Xylene	108-38-3	1.9	5.4	13	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.81	4.5	11	Not Detected U
Methylene Chloride	75-09-2	3.2	4.3	11	Not Detected U
o-Xylene	95-47-6	2.6	5.4	13	Not Detected U
Propylbenzene	103-65-1	1.1	6.1	15	Not Detected U
Styrene	100-42-5	1.1	5.3	13	Not Detected U
Tetrachloroethene	127-18-4	6.1	8.4	21	3700
Tetrahydrofuran	109-99-9	1.5	3.6	9.1	Not Detected U
Toluene	108-88-3	2.3	4.7	12	Not Detected U
trans-1,2-Dichloroethene	156-60-5	8.1	4.9	12	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	2.4	5.6	14	Not Detected U
Trichloroethene	79-01-6	5.9	6.7	17	180
Vinyl Chloride	75-01-4	3.0	3.2	7.9	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-103D-021012 Lab Duplicate	Date/Time Analyzed:	2/16/12 12:04 PM
Lab ID:	1202317-06AA	Dilution Factor:	6.20
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021608
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	98
4-Bromofluorobenzene	460-00-4	75-126	94
Toluene-d8	2037-26-5	74-121	101

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104I-021012	Date/Time Analyzed:	2/16/12 01:52 PM		
Lab ID:	1202317-07A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021611		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.38	1.6	4.1	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.58	2.1	5.2	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.50	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.97	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.8	9.0	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.50	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.61	2.3	5.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.54	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.81	1.4	3.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.73	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.43	0.67	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.8	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.8	4.6	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.4	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.78	1.4	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.8	3.6	9.0	Not Detected U
2-Hexanone	591-78-6	0.81	5.0	12	Not Detected U
2-Propanol	67-63-0	1.2	3.0	7.5	Not Detected U
3-Chloropropene	107-05-1	1.6	3.8	9.5	Not Detected U
4-Ethyltoluene	622-96-8	0.41	1.5	3.7	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104I-021012	Date/Time Analyzed:	2/16/12 01:52 PM		
Lab ID:	1202317-07A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021611		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.59	5.0	3.1	Not Detected U
Acetone	67-64-1	1.8	2.9	7.2	4.8 J
alpha-Chlorotoluene	100-44-7	0.33	1.6	16	Not Detected U
Benzene	71-43-2	0.57	0.97	2.4	Not Detected U
Bromodichloromethane	75-27-4	0.96	2.0	5.1	Not Detected U
Bromoform	75-25-2	1.1	3.1	7.8	Not Detected U
Bromomethane	74-83-9	1.3	1.2	3.0	Not Detected U
Carbon Disulfide	75-15-0	2.9	3.8	9.5	Not Detected U
Carbon Tetrachloride	56-23-5	0.51	1.9	4.8	Not Detected U
Chlorobenzene	108-90-7	0.72	1.4	3.5	Not Detected U
Chloroethane	75-00-3	2.1	3.2	8.0	Not Detected U
Chloroform	67-66-3	0.64	1.5	3.7	Not Detected U
Chloromethane	74-87-3	0.94	2.5	6.3	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	3.0	0.90 J
cis-1,3-Dichloropropene	10061-01-5	0.71	1.4	3.4	Not Detected U
Cumene	98-82-8	0.45	1.5	3.7	Not Detected U
Cyclohexane	110-82-7	0.51	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.2	2.6	6.5	Not Detected U
Ethanol	64-17-5	0.82	2.3	5.7	Not Detected U
Ethyl Benzene	100-41-4	0.89	1.3	3.3	Not Detected U
Freon 11	75-69-4	0.75	1.7	4.3	1.2 J
Freon 113	76-13-1	1.3	2.3	5.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104I-021012	Date/Time Analyzed:	2/16/12 01:52 PM		
Lab ID:	1202317-07A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021611		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.1	5.3	Not Detected U
Freon 12	75-71-8	1.0	1.5	3.8	2.4 J
Heptane	142-82-5	0.82	1.2	3.1	Not Detected U
Hexachlorobutadiene	87-68-3	7.1	13	32	Not Detected U
Hexane	110-54-3	0.66	1.1	2.7	0.82 J
m,p-Xylene	108-38-3	0.46	1.3	3.3	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.78	1.0	2.6	2.6
o-Xylene	95-47-6	0.65	1.3	3.3	Not Detected U
Propylbenzene	103-65-1	0.26	1.5	3.7	Not Detected U
Styrene	100-42-5	0.28	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.5	2.1	5.2	12
Tetrahydrofuran	109-99-9	0.38	0.90	2.2	0.58 J
Toluene	108-88-3	0.57	1.1	2.9	0.59 J
trans-1,2-Dichloroethene	156-60-5	2.0	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.59	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	4.1	9.6
Vinyl Chloride	75-01-4	0.74	0.78	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104I-021012	Date/Time Analyzed:	2/16/12 01:52 PM
Lab ID:	1202317-07A	Dilution Factor:	1.52
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021611
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	101
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104D-021012	Date/Time Analyzed:	2/16/12 02:27 PM		
Lab ID:	1202317-08A	Dilution Factor:	5.84		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021612		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.5	6.4	16	520
1,1,2,2-Tetrachloroethane	79-34-5	2.2	8.0	20	Not Detected U
1,1,2-Trichloroethane	79-00-5	6.3	6.4	16	Not Detected U
1,1-Dichloroethane	75-34-3	1.9	4.7	12	87
1,1-Dichloroethene	75-35-4	3.7	4.6	12	3.0 J
1,2,4-Trichlorobenzene	120-82-1	11	35	87	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	1.9	5.7	14	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	2.3	9.0	22	Not Detected U
1,2-Dichlorobenzene	95-50-1	4.7	7.0	18	Not Detected U
1,2-Dichloroethane	107-06-2	2.1	4.7	12	Not Detected U
1,2-Dichloropropane	78-87-5	3.1	5.4	13	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	2.8	5.7	14	Not Detected U
1,3-Butadiene	106-99-0	1.6	2.6	6.4	Not Detected U
1,3-Dichlorobenzene	541-73-1	4.5	7.0	18	Not Detected U
1,4-Dichlorobenzene	106-46-7	3.9	7.0	18	Not Detected U
1,4-Dioxane	123-91-1	6.7	17	42	Not Detected U
2,2,4-Trimethylpentane	540-84-1	3.0	5.4	14	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	6.8	14	34	Not Detected U
2-Hexanone	591-78-6	3.1	19	48	Not Detected U
2-Propanol	67-63-0	4.5	11	29	Not Detected U
3-Chloropropene	107-05-1	6.0	15	36	Not Detected U
4-Ethyltoluene	622-96-8	1.6	5.7	14	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104D-021012	Date/Time Analyzed:	2/16/12 02:27 PM		
Lab ID:	1202317-08A	Dilution Factor:	5.84		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021612		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	2.2	19	12	Not Detected U
Acetone	67-64-1	7.1	11	28	46
alpha-Chlorotoluene	100-44-7	1.3	6.0	60	Not Detected U
Benzene	71-43-2	2.2	3.7	9.3	Not Detected U
Bromodichloromethane	75-27-4	3.7	7.8	20	Not Detected U
Bromoform	75-25-2	4.3	12	30	Not Detected U
Bromomethane	74-83-9	5.0	4.5	11	Not Detected U
Carbon Disulfide	75-15-0	11	14	36	Not Detected U
Carbon Tetrachloride	56-23-5	2.0	7.3	18	Not Detected U
Chlorobenzene	108-90-7	2.8	5.4	13	Not Detected U
Chloroethane	75-00-3	8.0	12	31	Not Detected U
Chloroform	67-66-3	2.4	5.7	14	Not Detected U
Chloromethane	74-87-3	3.6	9.6	24	Not Detected U
cis-1,2-Dichloroethene	156-59-2	4.0	4.6	12	2200
cis-1,3-Dichloropropene	10061-01-5	2.7	5.3	13	Not Detected U
Cumene	98-82-8	1.7	5.7	14	Not Detected U
Cyclohexane	110-82-7	2.0	4.0	10	Not Detected U
Dibromochloromethane	124-48-1	4.4	9.9	25	Not Detected U
Ethanol	64-17-5	3.2	8.8	22	11 J
Ethyl Benzene	100-41-4	3.4	5.1	13	Not Detected U
Freon 11	75-69-4	2.9	6.6	16	Not Detected U
Freon 113	76-13-1	5.2	9.0	22	720

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104D-021012	Date/Time Analyzed:	2/16/12 02:27 PM		
Lab ID:	1202317-08A	Dilution Factor:	5.84		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021612		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	5.9	8.2	20	Not Detected U
Freon 12	75-71-8	4.0	5.8	14	Not Detected U
Heptane	142-82-5	3.1	4.8	12	Not Detected U
Hexachlorobutadiene	87-68-3	27	50	120	Not Detected U
Hexane	110-54-3	2.5	4.1	10	Not Detected U
m,p-Xylene	108-38-3	1.8	5.1	13	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.76	4.2	10	Not Detected U
Methylene Chloride	75-09-2	3.0	4.0	10	Not Detected U
o-Xylene	95-47-6	2.5	5.1	13	Not Detected U
Propylbenzene	103-65-1	1.0	5.7	14	Not Detected U
Styrene	100-42-5	1.1	5.0	12	Not Detected U
Tetrachloroethene	127-18-4	5.7	7.9	20	3800
Tetrahydrofuran	109-99-9	1.4	3.4	8.6	2.8 J
Toluene	108-88-3	2.2	4.4	11	Not Detected U
trans-1,2-Dichloroethene	156-60-5	7.6	4.6	12	26
trans-1,3-Dichloropropene	10061-02-6	2.3	5.3	13	Not Detected U
Trichloroethene	79-01-6	5.6	6.3	16	1400
Vinyl Chloride	75-01-4	2.8	3.0	7.5	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-104D-021012	Date/Time Analyzed:	2/16/12 02:27 PM
Lab ID:	1202317-08A	Dilution Factor:	5.84
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021612
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	98
4-Bromofluorobenzene	460-00-4	75-126	95
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105I-021012	Date/Time Analyzed:	2/16/12 03:24 PM		
Lab ID:	1202317-09A	Dilution Factor:	1.46		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021613		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.37	1.6	4.0	11
1,1,2,2-Tetrachloroethane	79-34-5	0.55	2.0	5.0	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.0	Not Detected U
1,1-Dichloroethane	75-34-3	0.48	1.2	3.0	4.2
1,1-Dichloroethene	75-35-4	0.94	1.2	2.9	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.7	8.7	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.48	1.4	3.6	1.4 J
1,2-Dibromoethane (EDB)	106-93-4	0.58	2.2	5.6	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.4	Not Detected U
1,2-Dichloroethane	107-06-2	0.52	1.2	3.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.78	1.3	3.4	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.70	1.4	3.6	0.48 J
1,3-Butadiene	106-99-0	0.41	0.65	1.6	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.1	1.8	4.4	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.98	1.8	4.4	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.2	10	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.75	1.4	3.4	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.7	3.4	8.6	3.6 J
2-Hexanone	591-78-6	0.77	4.8	12	Not Detected U
2-Propanol	67-63-0	1.1	2.9	7.2	Not Detected U
3-Chloropropene	107-05-1	1.5	3.6	9.1	Not Detected U
4-Ethyltoluene	622-96-8	0.39	1.4	3.6	0.94 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105I-021012	Date/Time Analyzed:	2/16/12 03:24 PM		
Lab ID:	1202317-09A	Dilution Factor:	1.46		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021613		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.56	4.8	3.0	Not Detected U
Acetone	67-64-1	1.8	2.8	6.9	25
alpha-Chlorotoluene	100-44-7	0.32	1.5	15	Not Detected U
Benzene	71-43-2	0.54	0.93	2.3	Not Detected U
Bromodichloromethane	75-27-4	0.92	2.0	4.9	Not Detected U
Bromoform	75-25-2	1.1	3.0	7.5	Not Detected U
Bromomethane	74-83-9	1.3	1.1	2.8	Not Detected U
Carbon Disulfide	75-15-0	2.8	3.6	9.1	Not Detected U
Carbon Tetrachloride	56-23-5	0.49	1.8	4.6	Not Detected U
Chlorobenzene	108-90-7	0.69	1.3	3.4	Not Detected U
Chloroethane	75-00-3	2.0	3.1	7.7	Not Detected U
Chloroform	67-66-3	0.61	1.4	3.6	0.78 J
Chloromethane	74-87-3	0.90	2.4	6.0	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	2.9	8.1
cis-1,3-Dichloropropene	10061-01-5	0.68	1.3	3.3	Not Detected U
Cumene	98-82-8	0.44	1.4	3.6	Not Detected U
Cyclohexane	110-82-7	0.49	1.0	2.5	Not Detected U
Dibromochloromethane	124-48-1	1.1	2.5	6.2	Not Detected U
Ethanol	64-17-5	0.79	2.2	5.5	15
Ethyl Benzene	100-41-4	0.86	1.3	3.2	Not Detected U
Freon 11	75-69-4	0.72	1.6	4.1	1.1 J
Freon 113	76-13-1	1.3	2.2	5.6	1.8 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105I-021012	Date/Time Analyzed:	2/16/12 03:24 PM		
Lab ID:	1202317-09A	Dilution Factor:	1.46		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021613		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.0	5.1	Not Detected U
Freon 12	75-71-8	1.0	1.4	3.6	2.3 J
Heptane	142-82-5	0.78	1.2	3.0	Not Detected U
Hexachlorobutadiene	87-68-3	6.8	12	31	Not Detected U
Hexane	110-54-3	0.63	1.0	2.6	Not Detected U
m,p-Xylene	108-38-3	0.44	1.3	3.2	0.91 J
Methyl tert-butyl ether	1634-04-4	0.19	1.0	2.6	Not Detected U
Methylene Chloride	75-09-2	0.75	1.0	2.5	0.94 J
o-Xylene	95-47-6	0.62	1.3	3.2	0.49 J
Propylbenzene	103-65-1	0.25	1.4	3.6	Not Detected U
Styrene	100-42-5	0.27	1.2	3.1	Not Detected U
Tetrachloroethene	127-18-4	1.4	2.0	5.0	31
Tetrahydrofuran	109-99-9	0.36	0.86	2.2	1.0 J
Toluene	108-88-3	0.55	1.1	2.8	0.60 J
trans-1,2-Dichloroethene	156-60-5	1.9	1.2	2.9	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.57	1.3	3.3	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	3.9	110
Vinyl Chloride	75-01-4	0.71	0.75	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105I-021012	Date/Time Analyzed:	2/16/12 03:24 PM
Lab ID:	1202317-09A	Dilution Factor:	1.46
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021613
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	100
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105D-021012	Date/Time Analyzed:	2/16/12 05:12 PM		
Lab ID:	1202317-10A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021616		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	1.5	6.6	16	350
1,1,2,2-Tetrachloroethane	79-34-5	2.3	8.3	21	Not Detected U
1,1,2-Trichloroethane	79-00-5	6.5	6.6	16	Not Detected U
1,1-Dichloroethane	75-34-3	2.0	4.9	12	69
1,1-Dichloroethene	75-35-4	3.9	4.8	12	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	11	36	90	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	2.0	6.0	15	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	2.4	9.3	23	Not Detected U
1,2-Dichlorobenzene	95-50-1	4.9	7.3	18	Not Detected U
1,2-Dichloroethane	107-06-2	2.2	4.9	12	Not Detected U
1,2-Dichloropropane	78-87-5	3.2	5.6	14	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	2.9	6.0	15	Not Detected U
1,3-Butadiene	106-99-0	1.7	2.7	6.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	4.7	7.3	18	Not Detected U
1,4-Dichlorobenzene	106-46-7	4.1	7.3	18	Not Detected U
1,4-Dioxane	123-91-1	7.0	18	44	Not Detected U
2,2,4-Trimethylpentane	540-84-1	3.1	5.7	14	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	7.0	14	36	Not Detected U
2-Hexanone	591-78-6	3.2	20	50	Not Detected U
2-Propanol	67-63-0	4.6	12	30	Not Detected U
3-Chloropropene	107-05-1	6.2	15	38	Not Detected U
4-Ethyltoluene	622-96-8	1.6	6.0	15	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105D-021012	Date/Time Analyzed:	2/16/12 05:12 PM		
Lab ID:	1202317-10A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021616		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	2.3	20	12	Not Detected U
Acetone	67-64-1	7.4	12	29	Not Detected U
alpha-Chlorotoluene	100-44-7	1.3	6.3	63	Not Detected U
Benzene	71-43-2	2.3	3.9	9.7	Not Detected U
Bromodichloromethane	75-27-4	3.8	8.1	20	Not Detected U
Bromoform	75-25-2	4.5	12	31	Not Detected U
Bromomethane	74-83-9	5.3	4.7	12	Not Detected U
Carbon Disulfide	75-15-0	12	15	38	Not Detected U
Carbon Tetrachloride	56-23-5	2.0	7.6	19	4.0 J
Chlorobenzene	108-90-7	2.9	5.6	14	Not Detected U
Chloroethane	75-00-3	8.4	13	32	Not Detected U
Chloroform	67-66-3	2.5	5.9	15	Not Detected U
Chloromethane	74-87-3	3.8	10	25	Not Detected U
cis-1,2-Dichloroethene	156-59-2	4.2	4.8	12	190
cis-1,3-Dichloropropene	10061-01-5	2.8	5.5	14	Not Detected U
Cumene	98-82-8	1.8	6.0	15	Not Detected U
Cyclohexane	110-82-7	2.0	4.2	10	Not Detected U
Dibromochloromethane	124-48-1	4.6	10	26	Not Detected U
Ethanol	64-17-5	3.3	9.2	23	5.2 J
Ethyl Benzene	100-41-4	3.6	5.3	13	Not Detected U
Freon 11	75-69-4	3.0	6.8	17	Not Detected U
Freon 113	76-13-1	5.4	9.3	23	18 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105D-021012	Date/Time Analyzed:	2/16/12 05:12 PM		
Lab ID:	1202317-10A	Dilution Factor:	6.08		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021616		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	6.1	8.5	21	Not Detected U
Freon 12	75-71-8	4.2	6.0	15	Not Detected U
Heptane	142-82-5	3.3	5.0	12	Not Detected U
Hexachlorobutadiene	87-68-3	28	52	130	Not Detected U
Hexane	110-54-3	2.6	4.3	11	Not Detected U
m,p-Xylene	108-38-3	1.8	5.3	13	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.80	4.4	11	Not Detected U
Methylene Chloride	75-09-2	3.1	4.2	10	8.4 J
o-Xylene	95-47-6	2.6	5.3	13	Not Detected U
Propylbenzene	103-65-1	1.0	6.0	15	Not Detected U
Styrene	100-42-5	1.1	5.2	13	Not Detected U
Tetrachloroethene	127-18-4	6.0	8.2	21	140
Tetrahydrofuran	109-99-9	1.5	3.6	9.0	Not Detected U
Toluene	108-88-3	2.3	4.6	11	Not Detected U
trans-1,2-Dichloroethene	156-60-5	7.9	4.8	12	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	2.4	5.5	14	Not Detected U
Trichloroethene	79-01-6	5.8	6.5	16	3600
Vinyl Chloride	75-01-4	3.0	3.1	7.8	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-105D-021012	Date/Time Analyzed:	2/16/12 05:12 PM
Lab ID:	1202317-10A	Dilution Factor:	6.08
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021616
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	103
4-Bromofluorobenzene	460-00-4	75-126	97
Toluene-d8	2037-26-5	74-121	100



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106I-021012	Date/Time Analyzed:	2/16/12 04:03 PM		
Lab ID:	1202317-11A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021614		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.38	1.6	4.1	1.0 J
1,1,2,2-Tetrachloroethane	79-34-5	0.56	2.0	5.1	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.49	1.2	3.0	0.62 J
1,1-Dichloroethene	75-35-4	0.96	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.8	8.8	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.49	1.5	3.7	1.1 J
1,2-Dibromoethane (EDB)	106-93-4	0.59	2.3	5.7	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.5	Not Detected U
1,2-Dichloroethane	107-06-2	0.53	1.2	3.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.80	1.4	3.4	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.72	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.42	0.66	1.6	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.8	4.5	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.8	4.5	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.3	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.77	1.4	3.5	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.7	3.5	8.8	0.70 J
2-Hexanone	591-78-6	0.79	4.9	12	Not Detected U
2-Propanol	67-63-0	1.1	2.9	7.3	Not Detected U
3-Chloropropene	107-05-1	1.5	3.7	9.3	Not Detected U
4-Ethyltoluene	622-96-8	0.40	1.5	3.7	0.37 J

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106I-021012	Date/Time Analyzed:	2/16/12 04:03 PM		
Lab ID:	1202317-11A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021614		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.58	4.9	3.0	Not Detected U
Acetone	67-64-1	1.8	2.8	7.1	5.6 J
alpha-Chlorotoluene	100-44-7	0.33	1.5	15	Not Detected U
Benzene	71-43-2	0.55	0.95	2.4	Not Detected U
Bromodichloromethane	75-27-4	0.94	2.0	5.0	Not Detected U
Bromoform	75-25-2	1.1	3.1	7.7	Not Detected U
Bromomethane	74-83-9	1.3	1.2	2.9	Not Detected U
Carbon Disulfide	75-15-0	2.8	3.7	9.3	Not Detected U
Carbon Tetrachloride	56-23-5	0.50	1.9	4.7	0.91 J
Chlorobenzene	108-90-7	0.71	1.4	3.4	Not Detected U
Chloroethane	75-00-3	2.0	3.1	7.9	Not Detected U
Chloroform	67-66-3	0.62	1.4	3.6	Not Detected U
Chloromethane	74-87-3	0.92	2.5	6.2	Not Detected U
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	3.0	1.6 J
cis-1,3-Dichloropropene	10061-01-5	0.70	1.4	3.4	Not Detected U
Cumene	98-82-8	0.44	1.5	3.7	Not Detected U
Cyclohexane	110-82-7	0.50	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.1	2.5	6.3	Not Detected U
Ethanol	64-17-5	0.81	2.2	5.6	1.6 J
Ethyl Benzene	100-41-4	0.87	1.3	3.2	Not Detected U
Freon 11	75-69-4	0.74	1.7	4.2	1.2 J
Freon 113	76-13-1	1.3	2.3	5.7	12

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106I-021012	Date/Time Analyzed:	2/16/12 04:03 PM		
Lab ID:	1202317-11A	Dilution Factor:	1.49		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021614		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.1	5.2	Not Detected U
Freon 12	75-71-8	1.0	1.5	3.7	2.1 J
Heptane	142-82-5	0.80	1.2	3.0	Not Detected U
Hexachlorobutadiene	87-68-3	7.0	13	32	Not Detected U
Hexane	110-54-3	0.64	1.0	2.6	Not Detected U
m,p-Xylene	108-38-3	0.45	1.3	3.2	0.80 J
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.76	1.0	2.6	0.71 J
o-Xylene	95-47-6	0.63	1.3	3.2	Not Detected U
Propylbenzene	103-65-1	0.26	1.5	3.7	Not Detected U
Styrene	100-42-5	0.27	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.4	2.0	5.0	4.3 J
Tetrahydrofuran	109-99-9	0.37	0.88	2.2	0.87 J
Toluene	108-88-3	0.56	1.1	2.8	0.44 J
trans-1,2-Dichloroethene	156-60-5	1.9	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.58	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	4.0	69
Vinyl Chloride	75-01-4	0.72	0.76	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106I-021012	Date/Time Analyzed:	2/16/12 04:03 PM
Lab ID:	1202317-11A	Dilution Factor:	1.49
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021614
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	102
4-Bromofluorobenzene	460-00-4	75-126	98
Toluene-d8	2037-26-5	74-121	99

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106D-021012	Date/Time Analyzed:	2/16/12 04:41 PM		
Lab ID:	1202317-12A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021615		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.38	1.6	4.1	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.58	2.1	5.2	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.6	1.6	4.1	Not Detected U
1,1-Dichloroethane	75-34-3	0.50	1.2	3.1	Not Detected U
1,1-Dichloroethene	75-35-4	0.97	1.2	3.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	2.8	9.0	22	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.50	1.5	3.7	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.61	2.3	5.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	1.2	1.8	4.6	Not Detected U
1,2-Dichloroethane	107-06-2	0.54	1.2	3.1	Not Detected U
1,2-Dichloropropane	78-87-5	0.81	1.4	3.5	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.73	1.5	3.7	Not Detected U
1,3-Butadiene	106-99-0	0.43	0.67	1.7	Not Detected U
1,3-Dichlorobenzene	541-73-1	1.2	1.8	4.6	Not Detected U
1,4-Dichlorobenzene	106-46-7	1.0	1.8	4.6	Not Detected U
1,4-Dioxane	123-91-1	1.7	4.4	11	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.78	1.4	3.6	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.8	3.6	9.0	Not Detected U
2-Hexanone	591-78-6	0.81	5.0	12	Not Detected U
2-Propanol	67-63-0	1.2	3.0	7.5	Not Detected U
3-Chloropropene	107-05-1	1.6	3.8	9.5	Not Detected U
4-Ethyltoluene	622-96-8	0.41	1.5	3.7	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106D-021012	Date/Time Analyzed:	2/16/12 04:41 PM		
Lab ID:	1202317-12A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021615		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.59	5.0	3.1	Not Detected U
Acetone	67-64-1	1.8	2.9	7.2	4.8 J
alpha-Chlorotoluene	100-44-7	0.33	1.6	16	Not Detected U
Benzene	71-43-2	0.57	0.97	2.4	0.58 J
Bromodichloromethane	75-27-4	0.96	2.0	5.1	Not Detected U
Bromoform	75-25-2	1.1	3.1	7.8	Not Detected U
Bromomethane	74-83-9	1.3	1.2	3.0	Not Detected U
Carbon Disulfide	75-15-0	2.9	3.8	9.5	Not Detected U
Carbon Tetrachloride	56-23-5	0.51	1.9	4.8	Not Detected U
Chlorobenzene	108-90-7	0.72	1.4	3.5	Not Detected U
Chloroethane	75-00-3	2.1	3.2	8.0	Not Detected U
Chloroform	67-66-3	0.64	1.5	3.7	Not Detected U
Chloromethane	74-87-3	0.94	2.5	6.3	1.2 J
cis-1,2-Dichloroethene	156-59-2	1.0	1.2	3.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.71	1.4	3.4	Not Detected U
Cumene	98-82-8	0.45	1.5	3.7	Not Detected U
Cyclohexane	110-82-7	0.51	1.0	2.6	Not Detected U
Dibromochloromethane	124-48-1	1.2	2.6	6.5	Not Detected U
Ethanol	64-17-5	0.82	2.3	5.7	2.3 J
Ethyl Benzene	100-41-4	0.89	1.3	3.3	Not Detected U
Freon 11	75-69-4	0.75	1.7	4.3	1.2 J
Freon 113	76-13-1	1.3	2.3	5.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106D-021012	Date/Time Analyzed:	2/16/12 04:41 PM		
Lab ID:	1202317-12A	Dilution Factor:	1.52		
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021615		
Media:	6 Liter Summa Canister				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.5	2.1	5.3	Not Detected U
Freon 12	75-71-8	1.0	1.5	3.8	1.1 J
Heptane	142-82-5	0.82	1.2	3.1	0.82 J
Hexachlorobutadiene	87-68-3	7.1	13	32	Not Detected U
Hexane	110-54-3	0.66	1.1	2.7	Not Detected U
m,p-Xylene	108-38-3	0.46	1.3	3.3	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.20	1.1	2.7	Not Detected U
Methylene Chloride	75-09-2	0.78	1.0	2.6	3.9
o-Xylene	95-47-6	0.65	1.3	3.3	Not Detected U
Propylbenzene	103-65-1	0.26	1.5	3.7	Not Detected U
Styrene	100-42-5	0.28	1.3	3.2	Not Detected U
Tetrachloroethene	127-18-4	1.5	2.1	5.2	Not Detected U
Tetrahydrofuran	109-99-9	0.38	0.90	2.2	Not Detected U
Toluene	108-88-3	0.57	1.1	2.9	0.81 J
trans-1,2-Dichloroethene	156-60-5	2.0	1.2	3.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.59	1.4	3.4	Not Detected U
Trichloroethene	79-01-6	1.4	1.6	4.1	Not Detected U
Vinyl Chloride	75-01-4	0.74	0.78	1.9	Not Detected U

J = Estimated value.

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	SVE-106D-021012	Date/Time Analyzed:	2/16/12 04:41 PM
Lab ID:	1202317-12A	Dilution Factor:	1.52
Date/Time Collecte	2/10/12 12:00 AM	Instrument/Filename:	msd2.i / 2021615
Media:	6 Liter Summa Canister		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	105
4-Bromofluorobenzene	460-00-4	75-126	96
Toluene-d8	2037-26-5	74-121	99

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/15/12 05:49 PM		
Lab ID:	1202317-13A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021516a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.25	1.1	2.7	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.38	1.4	3.4	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.1	1.1	2.7	Not Detected U
1,1-Dichloroethane	75-34-3	0.33	0.81	2.0	Not Detected U
1,1-Dichloroethene	75-35-4	0.64	0.79	2.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	1.8	5.9	15	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.33	0.98	2.4	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.40	1.5	3.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.81	1.2	3.0	Not Detected U
1,2-Dichloroethane	107-06-2	0.36	0.81	2.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.54	0.92	2.3	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.48	0.98	2.4	Not Detected U
1,3-Butadiene	106-99-0	0.28	0.44	1.1	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.77	1.2	3.0	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.67	1.2	3.0	Not Detected U
1,4-Dioxane	123-91-1	1.1	2.9	7.2	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.52	0.93	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.2	2.4	5.9	Not Detected U
2-Hexanone	591-78-6	0.53	3.3	8.2	Not Detected U
2-Propanol	67-63-0	0.76	2.0	4.9	Not Detected U
3-Chloropropene	107-05-1	1.0	2.5	6.3	Not Detected U
4-Ethyltoluene	622-96-8	0.27	0.98	2.4	Not Detected U



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/15/12 05:49 PM		
Lab ID:	1202317-13A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021516a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.39	3.3	2.0	Not Detected U
Acetone	67-64-1	1.2	1.9	4.8	Not Detected U
alpha-Chlorotoluene	100-44-7	0.22	1.0	10	Not Detected U
Benzene	71-43-2	0.37	0.64	1.6	0.39 J
Bromodichloromethane	75-27-4	0.63	1.3	3.4	Not Detected U
Bromoform	75-25-2	0.74	2.1	5.2	Not Detected U
Bromomethane	74-83-9	0.86	0.78	1.9	Not Detected U
Carbon Disulfide	75-15-0	1.9	2.5	6.2	Not Detected U
Carbon Tetrachloride	56-23-5	0.34	1.2	3.1	Not Detected U
Chlorobenzene	108-90-7	0.48	0.92	2.3	Not Detected U
Chloroethane	75-00-3	1.4	2.1	5.3	Not Detected U
Chloroform	67-66-3	0.42	0.98	2.4	Not Detected U
Chloromethane	74-87-3	0.62	1.6	4.1	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.69	0.79	2.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.47	0.91	2.3	Not Detected U
Cumene	98-82-8	0.30	0.98	2.4	Not Detected U
Cyclohexane	110-82-7	0.34	0.69	1.7	Not Detected U
Dibromochloromethane	124-48-1	0.76	1.7	4.2	Not Detected U
Ethanol	64-17-5	0.54	1.5	3.8	Not Detected U
Ethyl Benzene	100-41-4	0.59	0.87	2.2	Not Detected U
Freon 11	75-69-4	0.49	1.1	2.8	Not Detected U
Freon 113	76-13-1	0.88	1.5	3.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/15/12 05:49 PM		
Lab ID:	1202317-13A	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021516a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.0	1.4	3.5	Not Detected U
Freon 12	75-71-8	0.68	0.99	2.5	Not Detected U
Heptane	142-82-5	0.54	0.82	2.0	Not Detected U
Hexachlorobutadiene	87-68-3	4.7	8.5	21	Not Detected U
Hexane	110-54-3	0.43	0.70	1.8	Not Detected U
m,p-Xylene	108-38-3	0.30	0.87	2.2	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.13	0.72	1.8	Not Detected U
Methylene Chloride	75-09-2	0.51	0.69	1.7	0.83 J
o-Xylene	95-47-6	0.42	0.87	2.2	Not Detected U
Propylbenzene	103-65-1	0.17	0.98	2.4	Not Detected U
Styrene	100-42-5	0.18	0.85	2.1	Not Detected U
Tetrachloroethene	127-18-4	0.98	1.4	3.4	Not Detected U
Tetrahydrofuran	109-99-9	0.25	0.59	1.5	Not Detected U
Toluene	108-88-3	0.37	0.75	1.9	0.73 J
trans-1,2-Dichloroethene	156-60-5	1.3	0.79	2.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.39	0.91	2.3	Not Detected U
Trichloroethene	79-01-6	0.96	1.1	2.7	Not Detected U
Vinyl Chloride	75-01-4	0.48	0.51	1.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/15/12 05:49 PM
Lab ID:	1202317-13A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021516a
Media:	NA - Not Applicable		
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Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	103
4-Bromofluorobenzene	460-00-4	75-126	100
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/16/12 10:46 AM		
Lab ID:	1202317-13B	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021606a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
1,1,1-Trichloroethane	71-55-6	0.25	1.1	2.7	Not Detected U
1,1,2,2-Tetrachloroethane	79-34-5	0.38	1.4	3.4	Not Detected U
1,1,2-Trichloroethane	79-00-5	1.1	1.1	2.7	Not Detected U
1,1-Dichloroethane	75-34-3	0.33	0.81	2.0	Not Detected U
1,1-Dichloroethene	75-35-4	0.64	0.79	2.0	Not Detected U
1,2,4-Trichlorobenzene	120-82-1	1.8	5.9	15	Not Detected U
1,2,4-Trimethylbenzene	95-63-6	0.33	0.98	2.4	Not Detected U
1,2-Dibromoethane (EDB)	106-93-4	0.40	1.5	3.8	Not Detected U
1,2-Dichlorobenzene	95-50-1	0.81	1.2	3.0	Not Detected U
1,2-Dichloroethane	107-06-2	0.36	0.81	2.0	Not Detected U
1,2-Dichloropropane	78-87-5	0.54	0.92	2.3	Not Detected U
1,3,5-Trimethylbenzene	108-67-8	0.48	0.98	2.4	Not Detected U
1,3-Butadiene	106-99-0	0.28	0.44	1.1	Not Detected U
1,3-Dichlorobenzene	541-73-1	0.77	1.2	3.0	Not Detected U
1,4-Dichlorobenzene	106-46-7	0.67	1.2	3.0	Not Detected U
1,4-Dioxane	123-91-1	1.1	2.9	7.2	Not Detected U
2,2,4-Trimethylpentane	540-84-1	0.52	0.93	2.3	Not Detected U
2-Butanone (Methyl Ethyl Ketone)	78-93-3	1.2	2.4	5.9	Not Detected U
2-Hexanone	591-78-6	0.53	3.3	8.2	Not Detected U
2-Propanol	67-63-0	0.76	2.0	4.9	Not Detected U
3-Chloropropene	107-05-1	1.0	2.5	6.3	Not Detected U
4-Ethyltoluene	622-96-8	0.27	0.98	2.4	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/16/12 10:46 AM		
Lab ID:	1202317-13B	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021606a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
4-Methyl-2-pentanone	108-10-1	0.39	3.3	2.0	Not Detected U
Acetone	67-64-1	1.2	1.9	4.8	Not Detected U
alpha-Chlorotoluene	100-44-7	0.22	1.0	10	Not Detected U
Benzene	71-43-2	0.37	0.64	1.6	Not Detected U
Bromodichloromethane	75-27-4	0.63	1.3	3.4	Not Detected U
Bromoform	75-25-2	0.74	2.1	5.2	Not Detected U
Bromomethane	74-83-9	0.86	0.78	1.9	Not Detected U
Carbon Disulfide	75-15-0	1.9	2.5	6.2	Not Detected U
Carbon Tetrachloride	56-23-5	0.34	1.2	3.1	Not Detected U
Chlorobenzene	108-90-7	0.48	0.92	2.3	Not Detected U
Chloroethane	75-00-3	1.4	2.1	5.3	Not Detected U
Chloroform	67-66-3	0.42	0.98	2.4	Not Detected U
Chloromethane	74-87-3	0.62	1.6	4.1	Not Detected U
cis-1,2-Dichloroethene	156-59-2	0.69	0.79	2.0	Not Detected U
cis-1,3-Dichloropropene	10061-01-5	0.47	0.91	2.3	Not Detected U
Cumene	98-82-8	0.30	0.98	2.4	Not Detected U
Cyclohexane	110-82-7	0.34	0.69	1.7	Not Detected U
Dibromochloromethane	124-48-1	0.76	1.7	4.2	Not Detected U
Ethanol	64-17-5	0.54	1.5	3.8	Not Detected U
Ethyl Benzene	100-41-4	0.59	0.87	2.2	Not Detected U
Freon 11	75-69-4	0.49	1.1	2.8	Not Detected U
Freon 113	76-13-1	0.88	1.5	3.8	Not Detected U

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/16/12 10:46 AM		
Lab ID:	1202317-13B	Dilution Factor:	1.00		
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021606a		
Media:	NA - Not Applicable				
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Freon 114	76-14-2	1.0	1.4	3.5	Not Detected U
Freon 12	75-71-8	0.68	0.99	2.5	Not Detected U
Heptane	142-82-5	0.54	0.82	2.0	Not Detected U
Hexachlorobutadiene	87-68-3	4.7	8.5	21	Not Detected U
Hexane	110-54-3	0.43	0.70	1.8	Not Detected U
m,p-Xylene	108-38-3	0.30	0.87	2.2	Not Detected U
Methyl tert-butyl ether	1634-04-4	0.13	0.72	1.8	Not Detected U
Methylene Chloride	75-09-2	0.51	0.69	1.7	0.78 J
o-Xylene	95-47-6	0.42	0.87	2.2	Not Detected U
Propylbenzene	103-65-1	0.17	0.98	2.4	Not Detected U
Styrene	100-42-5	0.18	0.85	2.1	Not Detected U
Tetrachloroethene	127-18-4	0.98	1.4	3.4	Not Detected U
Tetrahydrofuran	109-99-9	0.25	0.59	1.5	Not Detected U
Toluene	108-88-3	0.37	0.75	1.9	Not Detected U
trans-1,2-Dichloroethene	156-60-5	1.3	0.79	2.0	Not Detected U
trans-1,3-Dichloropropene	10061-02-6	0.39	0.91	2.3	Not Detected U
Trichloroethene	79-01-6	0.96	1.1	2.7	Not Detected U
Vinyl Chloride	75-01-4	0.48	0.51	1.3	Not Detected U

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the MDL.

J = Estimated value.

UJ = Non-detected compound associated with low bias in the CCV and/or LCS.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	Lab Blank	Date/Time Analyzed:	2/16/12 10:46 AM
Lab ID:	1202317-13B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021606a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	101
4-Bromofluorobenzene	460-00-4	75-126	98
Toluene-d8	2037-26-5	74-121	98

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/15/12 07:43 AM
Lab ID:	1202317-14A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021503
Media:	NA - Not Applicable		
Compound		CAS#	%Recovery
1,1,1-Trichloroethane		71-55-6	93
1,1,2,2-Tetrachloroethane		79-34-5	89
1,1,2-Trichloroethane		79-00-5	95
1,1-Dichloroethane		75-34-3	94
1,1-Dichloroethene		75-35-4	95
1,2,4-Trichlorobenzene		120-82-1	71
1,2,4-Trimethylbenzene		95-63-6	76
1,2-Dibromoethane (EDB)		106-93-4	97
1,2-Dichlorobenzene		95-50-1	83
1,2-Dichloroethane		107-06-2	90
1,2-Dichloropropane		78-87-5	93
1,3,5-Trimethylbenzene		108-67-8	77
1,3-Butadiene		106-99-0	95
1,3-Dichlorobenzene		541-73-1	84
1,4-Dichlorobenzene		106-46-7	82
1,4-Dioxane		123-91-1	95
2,2,4-Trimethylpentane		540-84-1	92
2-Butanone (Methyl Ethyl Ketone)		78-93-3	100
2-Hexanone		591-78-6	100
2-Propanol		67-63-0	98
3-Chloropropene		107-05-1	108
4-Ethyltoluene		622-96-8	84

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/15/12 07:43 AM
Lab ID:	1202317-14A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021503
Media:	NA - Not Applicable		
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Compound	CAS#		
4-Methyl-2-pentanone	108-10-1		
Acetone	67-64-1		
alpha-Chlorotoluene	100-44-7		
Benzene	71-43-2		
Bromodichloromethane	75-27-4		
Bromoform	75-25-2		
Bromomethane	74-83-9	133 Q	
Carbon Disulfide	75-15-0		
Carbon Tetrachloride	56-23-5		
Chlorobenzene	108-90-7		
Chloroethane	75-00-3		
Chloroform	67-66-3		
Chloromethane	74-87-3		
cis-1,2-Dichloroethene	156-59-2		
cis-1,3-Dichloropropene	10061-01-5		
Cumene	98-82-8		
Cyclohexane	110-82-7		
Dibromochloromethane	124-48-1		
Ethanol	64-17-5		
Ethyl Benzene	100-41-4		
Freon 11	75-69-4		
Freon 113	76-13-1		

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/15/12 07:43 AM
Lab ID:	1202317-14A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021503
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#		%Recovery
Freon 114	76-14-2		96
Freon 12	75-71-8		96
Heptane	142-82-5		95
Hexachlorobutadiene	87-68-3		83
Hexane	110-54-3		91
m,p-Xylene	108-38-3		86
Methyl tert-butyl ether	1634-04-4		94
Methylene Chloride	75-09-2		90
o-Xylene	95-47-6		90
Propylbenzene	103-65-1		91
Styrene	100-42-5		93
Tetrachloroethene	127-18-4		93
Tetrahydrofuran	109-99-9		97
Toluene	108-88-3		89
trans-1,2-Dichloroethene	156-60-5		94
trans-1,3-Dichloropropene	10061-02-6		102
Trichloroethene	79-01-6		95
Vinyl Chloride	75-01-4		97

Q = Exceeds Quality Control limits.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/15/12 07:43 AM
Lab ID:	1202317-14A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021503
Media:	NA - Not Applicable		
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/16/12 07:52 AM
Lab ID:	1202317-14B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021602
Media:	NA - Not Applicable		
Compound		CAS#	%Recovery
1,1,1-Trichloroethane		71-55-6	92
1,1,2,2-Tetrachloroethane		79-34-5	89
1,1,2-Trichloroethane		79-00-5	92
1,1-Dichloroethane		75-34-3	90
1,1-Dichloroethene		75-35-4	89
1,2,4-Trichlorobenzene		120-82-1	69 Q
1,2,4-Trimethylbenzene		95-63-6	77
1,2-Dibromoethane (EDB)		106-93-4	95
1,2-Dichlorobenzene		95-50-1	81
1,2-Dichloroethane		107-06-2	91
1,2-Dichloropropane		78-87-5	91
1,3,5-Trimethylbenzene		108-67-8	80
1,3-Butadiene		106-99-0	91
1,3-Dichlorobenzene		541-73-1	85
1,4-Dichlorobenzene		106-46-7	82
1,4-Dioxane		123-91-1	92
2,2,4-Trimethylpentane		540-84-1	89
2-Butanone (Methyl Ethyl Ketone)		78-93-3	92
2-Hexanone		591-78-6	96
2-Propanol		67-63-0	90
3-Chloropropene		107-05-1	100
4-Ethyltoluene		622-96-8	86

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/16/12 07:52 AM
Lab ID:	1202317-14B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021602
Media:	NA - Not Applicable		
Compound		CAS#	%Recovery
4-Methyl-2-pentanone		108-10-1	93
Acetone		67-64-1	91
alpha-Chlorotoluene		100-44-7	100
Benzene		71-43-2	86
Bromodichloromethane		75-27-4	97
Bromoform		75-25-2	100
Bromomethane		74-83-9	128
Carbon Disulfide		75-15-0	91
Carbon Tetrachloride		56-23-5	95
Chlorobenzene		108-90-7	89
Chloroethane		75-00-3	89
Chloroform		67-66-3	90
Chloromethane		74-87-3	90
cis-1,2-Dichloroethene		156-59-2	89
cis-1,3-Dichloropropene		10061-01-5	95
Cumene		98-82-8	94
Cyclohexane		110-82-7	88
Dibromochloromethane		124-48-1	100
Ethanol		64-17-5	95
Ethyl Benzene		100-41-4	89
Freon 11		75-69-4	92
Freon 113		76-13-1	90

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/16/12 07:52 AM
Lab ID:	1202317-14B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021602
Media:	NA - Not Applicable		
Compound	CAS#		
Freon 114	76-14-2		
Freon 12	75-71-8		
Heptane	142-82-5		
Hexachlorobutadiene	87-68-3		
Hexane	110-54-3		
m,p-Xylene	108-38-3		
Methyl tert-butyl ether	1634-04-4		
Methylene Chloride	75-09-2		
o-Xylene	95-47-6		
Propylbenzene	103-65-1		
Styrene	100-42-5		
Tetrachloroethene	127-18-4		
Tetrahydrofuran	109-99-9		
Toluene	108-88-3		
trans-1,2-Dichloroethene	156-60-5		
trans-1,3-Dichloropropene	10061-02-6		
Trichloroethene	79-01-6		
Vinyl Chloride	75-01-4		

Q = Exceeds Quality Control limits.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	CCV	Date/Time Analyzed:	2/16/12 07:52 AM
Lab ID:	1202317-14B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021602
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	98
4-Bromofluorobenzene	460-00-4	70-130	100
Toluene-d8	2037-26-5	70-130	100

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/15/12 08:21 AM
Lab ID:	1202317-15A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021504a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		90
1,1,2,2-Tetrachloroethane	79-34-5		92
1,1,2-Trichloroethane	79-00-5		94
1,1-Dichloroethane	75-34-3		91
1,1-Dichloroethene	75-35-4		97
1,2,4-Trichlorobenzene	120-82-1		75
1,2,4-Trimethylbenzene	95-63-6		74
1,2-Dibromoethane (EDB)	106-93-4		96
1,2-Dichlorobenzene	95-50-1		83
1,2-Dichloroethane	107-06-2		89
1,2-Dichloropropane	78-87-5		94
1,3,5-Trimethylbenzene	108-67-8		78
1,3-Butadiene	106-99-0		87
1,3-Dichlorobenzene	541-73-1		85
1,4-Dichlorobenzene	106-46-7		82
1,4-Dioxane	123-91-1		93
2,2,4-Trimethylpentane	540-84-1		88
2-Butanone (Methyl Ethyl Ketone)	78-93-3		94
2-Hexanone	591-78-6		98
2-Propanol	67-63-0		98
3-Chloropropene	107-05-1		115
4-Ethyltoluene	622-96-8		82

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/15/12 08:21 AM
Lab ID:	1202317-15A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021504a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		93
Acetone	67-64-1		92
alpha-Chlorotoluene	100-44-7		100
Benzene	71-43-2		89
Bromodichloromethane	75-27-4		96
Bromoform	75-25-2		99
Bromomethane	74-83-9		121
Carbon Disulfide	75-15-0		106
Carbon Tetrachloride	56-23-5		92
Chlorobenzene	108-90-7		93
Chloroethane	75-00-3		88
Chloroform	67-66-3		89
Chloromethane	74-87-3		92
cis-1,2-Dichloroethene	156-59-2		92
cis-1,3-Dichloropropene	10061-01-5		100
Cumene	98-82-8		94
Cyclohexane	110-82-7		89
Dibromochloromethane	124-48-1		97
Ethanol	64-17-5		99
Ethyl Benzene	100-41-4		91
Freon 11	75-69-4		87
Freon 113	76-13-1		89

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/15/12 08:21 AM
Lab ID:	1202317-15A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021504a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		88
Freon 12	75-71-8		88
Heptane	142-82-5		93
Hexachlorobutadiene	87-68-3		85
Hexane	110-54-3		87
m,p-Xylene	108-38-3		88
Methyl tert-butyl ether	1634-04-4		92
Methylene Chloride	75-09-2		86
o-Xylene	95-47-6		91
Propylbenzene	103-65-1		92
Styrene	100-42-5		96
Tetrachloroethene	127-18-4		93
Tetrahydrofuran	109-99-9		91
Toluene	108-88-3		89
trans-1,2-Dichloroethene	156-60-5		103
trans-1,3-Dichloropropene	10061-02-6		102
Trichloroethene	79-01-6		94
Vinyl Chloride	75-01-4		89

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/15/12 08:21 AM
Lab ID:	1202317-15A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021504a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	91
4-Bromofluorobenzene	460-00-4	75-126	98
Toluene-d8	2037-26-5	74-121	101

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/15/12 08:55 AM
Lab ID:	1202317-15AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021505
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		92
1,1,2,2-Tetrachloroethane	79-34-5		92
1,1,2-Trichloroethane	79-00-5		93
1,1-Dichloroethane	75-34-3		91
1,1-Dichloroethene	75-35-4		99
1,2,4-Trichlorobenzene	120-82-1		69 Q
1,2,4-Trimethylbenzene	95-63-6		68 Q
1,2-Dibromoethane (EDB)	106-93-4		95
1,2-Dichlorobenzene	95-50-1		80
1,2-Dichloroethane	107-06-2		88
1,2-Dichloropropane	78-87-5		95
1,3,5-Trimethylbenzene	108-67-8		72
1,3-Butadiene	106-99-0		88
1,3-Dichlorobenzene	541-73-1		82
1,4-Dichlorobenzene	106-46-7		79
1,4-Dioxane	123-91-1		92
2,2,4-Trimethylpentane	540-84-1		89
2-Butanone (Methyl Ethyl Ketone)	78-93-3		96
2-Hexanone	591-78-6		99
2-Propanol	67-63-0		101
3-Chloropropene	107-05-1		118
4-Ethyltoluene	622-96-8		76

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/15/12 08:55 AM
Lab ID:	1202317-15AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021505
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		94
Acetone	67-64-1		92
alpha-Chlorotoluene	100-44-7		96
Benzene	71-43-2		90
Bromodichloromethane	75-27-4		95
Bromoform	75-25-2		96
Bromomethane	74-83-9		122
Carbon Disulfide	75-15-0		109
Carbon Tetrachloride	56-23-5		92
Chlorobenzene	108-90-7		92
Chloroethane	75-00-3		90
Chloroform	67-66-3		91
Chloromethane	74-87-3		91
cis-1,2-Dichloroethene	156-59-2		95
cis-1,3-Dichloropropene	10061-01-5		99
Cumene	98-82-8		94
Cyclohexane	110-82-7		91
Dibromochloromethane	124-48-1		95
Ethanol	64-17-5		99
Ethyl Benzene	100-41-4		90
Freon 11	75-69-4		88
Freon 113	76-13-1		90

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/15/12 08:55 AM
Lab ID:	1202317-15AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021505
Media:	NA - Not Applicable		
Compound			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		88
Freon 12	75-71-8		87
Heptane	142-82-5		95
Hexachlorobutadiene	87-68-3		82
Hexane	110-54-3		88
m,p-Xylene	108-38-3		85
Methyl tert-butyl ether	1634-04-4		94
Methylene Chloride	75-09-2		86
o-Xylene	95-47-6		87
Propylbenzene	103-65-1		88
Styrene	100-42-5		92
Tetrachloroethene	127-18-4		92
Tetrahydrofuran	109-99-9		93
Toluene	108-88-3		90
trans-1,2-Dichloroethene	156-60-5		104
trans-1,3-Dichloropropene	10061-02-6		102
Trichloroethene	79-01-6		95
Vinyl Chloride	75-01-4		88

Q = Exceeds Quality Control limits.

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/15/12 08:55 AM
Lab ID:	1202317-15AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021505
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	70-130	94
4-Bromofluorobenzene	460-00-4	70-130	98
Toluene-d8	2037-26-5	70-130	101

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/16/12 08:33 AM
Lab ID:	1202317-15B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021603a
Media:	NA - Not Applicable		
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		94
1,1,2,2-Tetrachloroethane	79-34-5		90
1,1,2-Trichloroethane	79-00-5		93
1,1-Dichloroethane	75-34-3		92
1,1-Dichloroethene	75-35-4		102
1,2,4-Trichlorobenzene	120-82-1		71
1,2,4-Trimethylbenzene	95-63-6		72
1,2-Dibromoethane (EDB)	106-93-4		94
1,2-Dichlorobenzene	95-50-1		82
1,2-Dichloroethane	107-06-2		90
1,2-Dichloropropane	78-87-5		91
1,3,5-Trimethylbenzene	108-67-8		76
1,3-Butadiene	106-99-0		91
1,3-Dichlorobenzene	541-73-1		83
1,4-Dichlorobenzene	106-46-7		79
1,4-Dioxane	123-91-1		91
2,2,4-Trimethylpentane	540-84-1		90
2-Butanone (Methyl Ethyl Ketone)	78-93-3		96
2-Hexanone	591-78-6		93
2-Propanol	67-63-0		98
3-Chloropropene	107-05-1		115
4-Ethyltoluene	622-96-8		80

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/16/12 08:33 AM
Lab ID:	1202317-15B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021603a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		90
Acetone	67-64-1		92
alpha-Chlorotoluene	100-44-7		97
Benzene	71-43-2		87
Bromodichloromethane	75-27-4		96
Bromoform	75-25-2		96
Bromomethane	74-83-9		127
Carbon Disulfide	75-15-0		112
Carbon Tetrachloride	56-23-5		97
Chlorobenzene	108-90-7		90
Chloroethane	75-00-3		92
Chloroform	67-66-3		92
Chloromethane	74-87-3		93
cis-1,2-Dichloroethene	156-59-2		95
cis-1,3-Dichloropropene	10061-01-5		95
Cumene	98-82-8		92
Cyclohexane	110-82-7		91
Dibromochloromethane	124-48-1		95
Ethanol	64-17-5		98
Ethyl Benzene	100-41-4		89
Freon 11	75-69-4		92
Freon 113	76-13-1		93

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/16/12 08:33 AM
Lab ID:	1202317-15B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021603a
Media:	NA - Not Applicable		
Compound			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		93
Freon 12	75-71-8		95
Heptane	142-82-5		90
Hexachlorobutadiene	87-68-3		81
Hexane	110-54-3		88
m,p-Xylene	108-38-3		86
Methyl tert-butyl ether	1634-04-4		93
Methylene Chloride	75-09-2		87
o-Xylene	95-47-6		88
Propylbenzene	103-65-1		90
Styrene	100-42-5		93
Tetrachloroethene	127-18-4		91
Tetrahydrofuran	109-99-9		92
Toluene	108-88-3		87
trans-1,2-Dichloroethene	156-60-5		103
trans-1,3-Dichloropropene	10061-02-6		98
Trichloroethene	79-01-6		94
Vinyl Chloride	75-01-4		91

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCS	Date/Time Analyzed:	2/16/12 08:33 AM
Lab ID:	1202317-15B	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021603a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	101
4-Bromofluorobenzene	460-00-4	75-126	99
Toluene-d8	2037-26-5	74-121	99

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/16/12 09:03 AM
Lab ID:	1202317-15BB	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021604a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
1,1,1-Trichloroethane	71-55-6		93
1,1,2,2-Tetrachloroethane	79-34-5		91
1,1,2-Trichloroethane	79-00-5		90
1,1-Dichloroethane	75-34-3		91
1,1-Dichloroethene	75-35-4		95
1,2,4-Trichlorobenzene	120-82-1		72
1,2,4-Trimethylbenzene	95-63-6		72
1,2-Dibromoethane (EDB)	106-93-4		94
1,2-Dichlorobenzene	95-50-1		82
1,2-Dichloroethane	107-06-2		90
1,2-Dichloropropane	78-87-5		92
1,3,5-Trimethylbenzene	108-67-8		76
1,3-Butadiene	106-99-0		86
1,3-Dichlorobenzene	541-73-1		84
1,4-Dichlorobenzene	106-46-7		81
1,4-Dioxane	123-91-1		89
2,2,4-Trimethylpentane	540-84-1		89
2-Butanone (Methyl Ethyl Ketone)	78-93-3		95
2-Hexanone	591-78-6		95
2-Propanol	67-63-0		95
3-Chloropropene	107-05-1		111
4-Ethyltoluene	622-96-8		80

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/16/12 09:03 AM
Lab ID:	1202317-15BB	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021604a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
4-Methyl-2-pentanone	108-10-1		92
Acetone	67-64-1		88
alpha-Chlorotoluene	100-44-7		96
Benzene	71-43-2		87
Bromodichloromethane	75-27-4		95
Bromoform	75-25-2		96
Bromomethane	74-83-9		119
Carbon Disulfide	75-15-0		108
Carbon Tetrachloride	56-23-5		95
Chlorobenzene	108-90-7		90
Chloroethane	75-00-3		88
Chloroform	67-66-3		91
Chloromethane	74-87-3		88
cis-1,2-Dichloroethene	156-59-2		94
cis-1,3-Dichloropropene	10061-01-5		98
Cumene	98-82-8		93
Cyclohexane	110-82-7		90
Dibromochloromethane	124-48-1		95
Ethanol	64-17-5		94
Ethyl Benzene	100-41-4		89
Freon 11	75-69-4		89
Freon 113	76-13-1		89

* % Recovery is calculated using unrounded analytical results.

EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/16/12 09:03 AM
Lab ID:	1202317-15BB	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021604a
Media:	NA - Not Applicable		
<hr/>			
Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)
Freon 114	76-14-2		86
Freon 12	75-71-8		87
Heptane	142-82-5		92
Hexachlorobutadiene	87-68-3		84
Hexane	110-54-3		86
m,p-Xylene	108-38-3		85
Methyl tert-butyl ether	1634-04-4		91
Methylene Chloride	75-09-2		85
o-Xylene	95-47-6		87
Propylbenzene	103-65-1		91
Styrene	100-42-5		92
Tetrachloroethene	127-18-4		90
Tetrahydrofuran	109-99-9		91
Toluene	108-88-3		88
trans-1,2-Dichloroethene	156-60-5		102
trans-1,3-Dichloropropene	10061-02-6		99
Trichloroethene	79-01-6		96
Vinyl Chloride	75-01-4		85

Surrogates	CAS#	Limits	%Recovery

* % Recovery is calculated using unrounded analytical results.



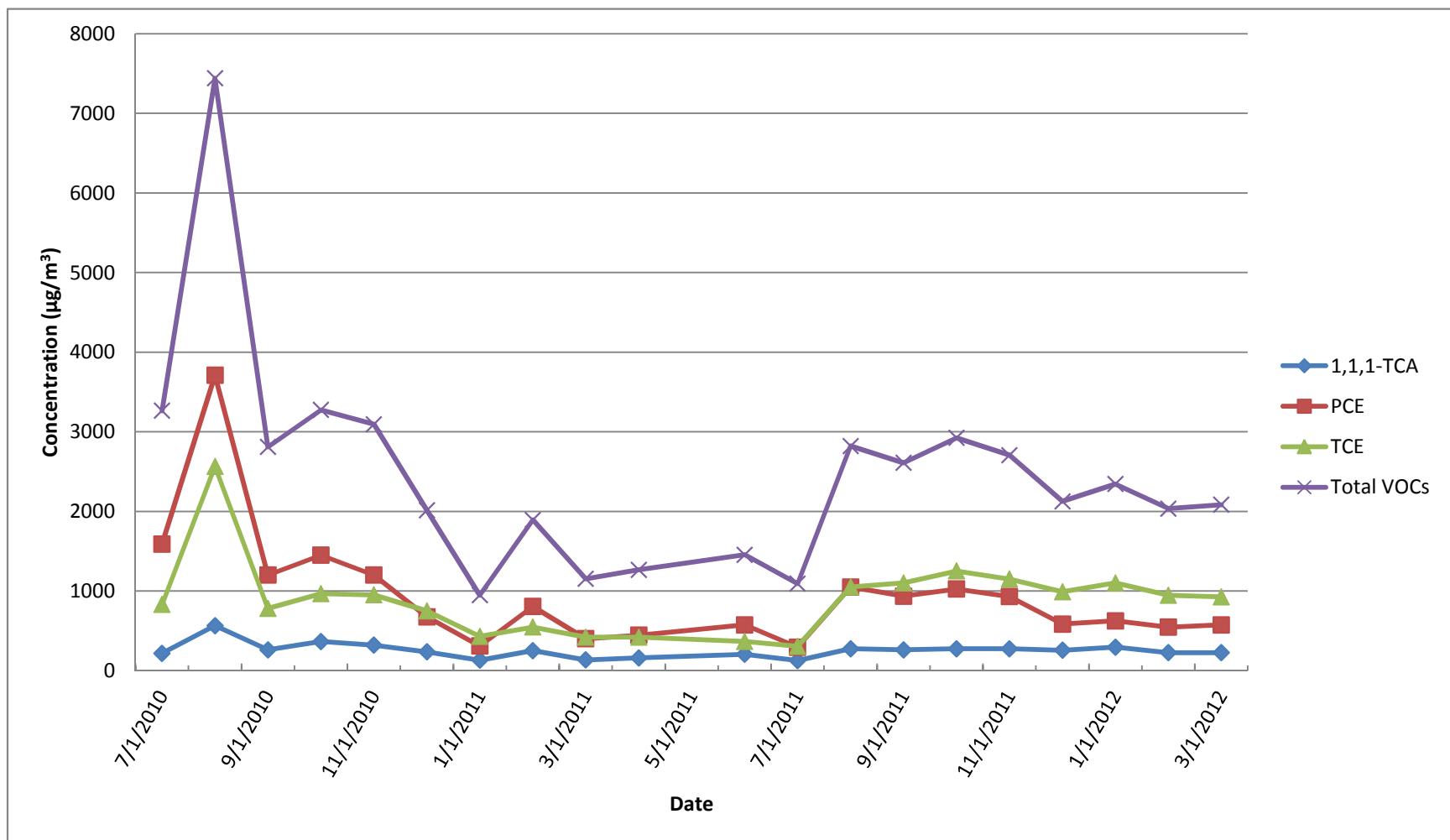
EPA METHOD TO-15 GC/MS FULL SCAN
Bethpage Site 1 Quarterly

Client ID:	LCSD	Date/Time Analyzed:	2/16/12 09:03 AM
Lab ID:	1202317-15BB	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2021604a
Media:	NA - Not Applicable		
<hr/>			
Surrogates	CAS#	Limits	%Recovery
1,2-Dichloroethane-d4	17060-07-0	61-141	96
4-Bromofluorobenzene	460-00-4	75-126	101
Toluene-d8	2037-26-5	74-121	99

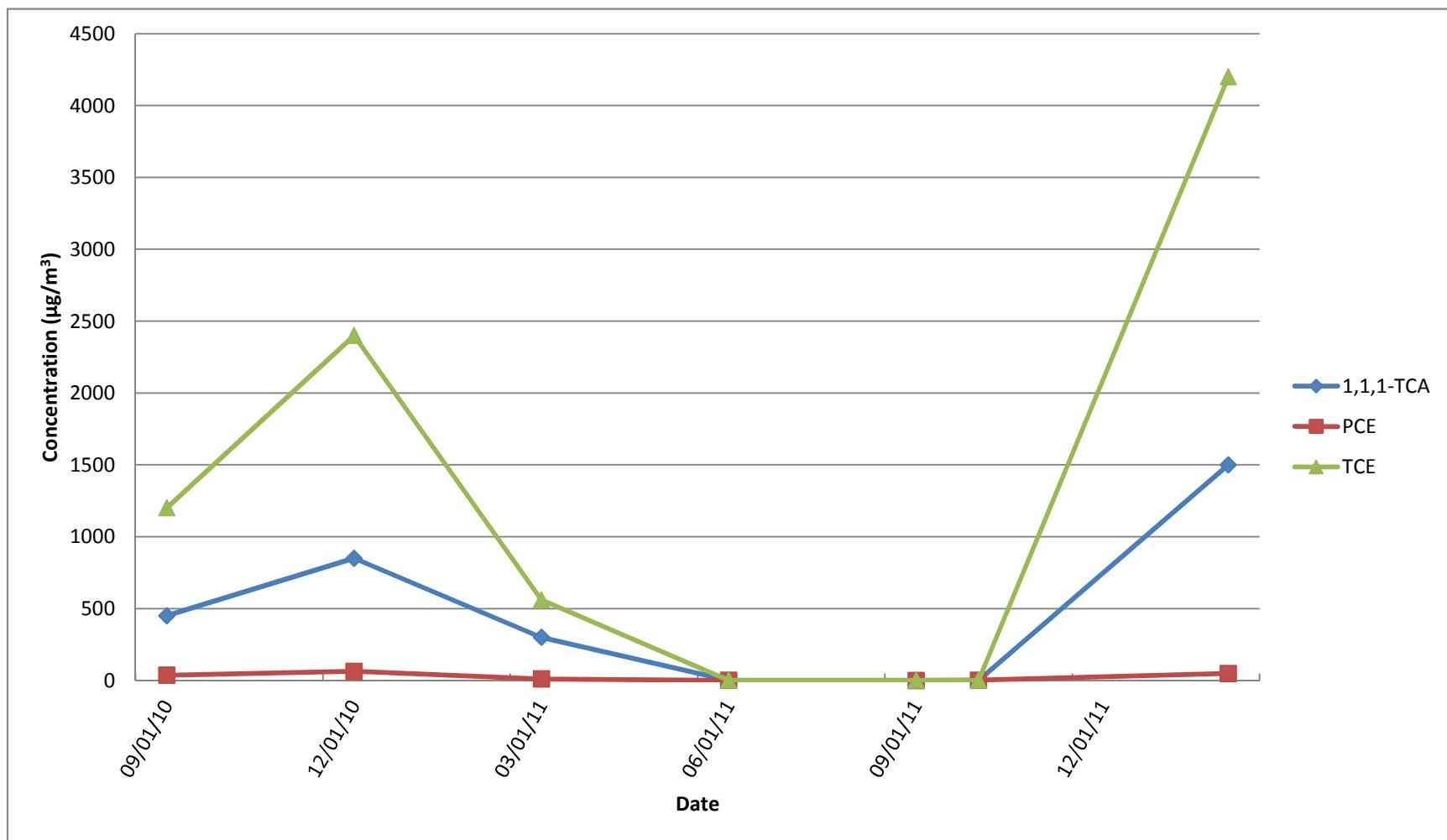
* % Recovery is calculated using unrounded analytical results.

APPENDIX C
Vapor Concentration Trend Graphs

Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select and Total VOCs
COMBINED INFLUENT

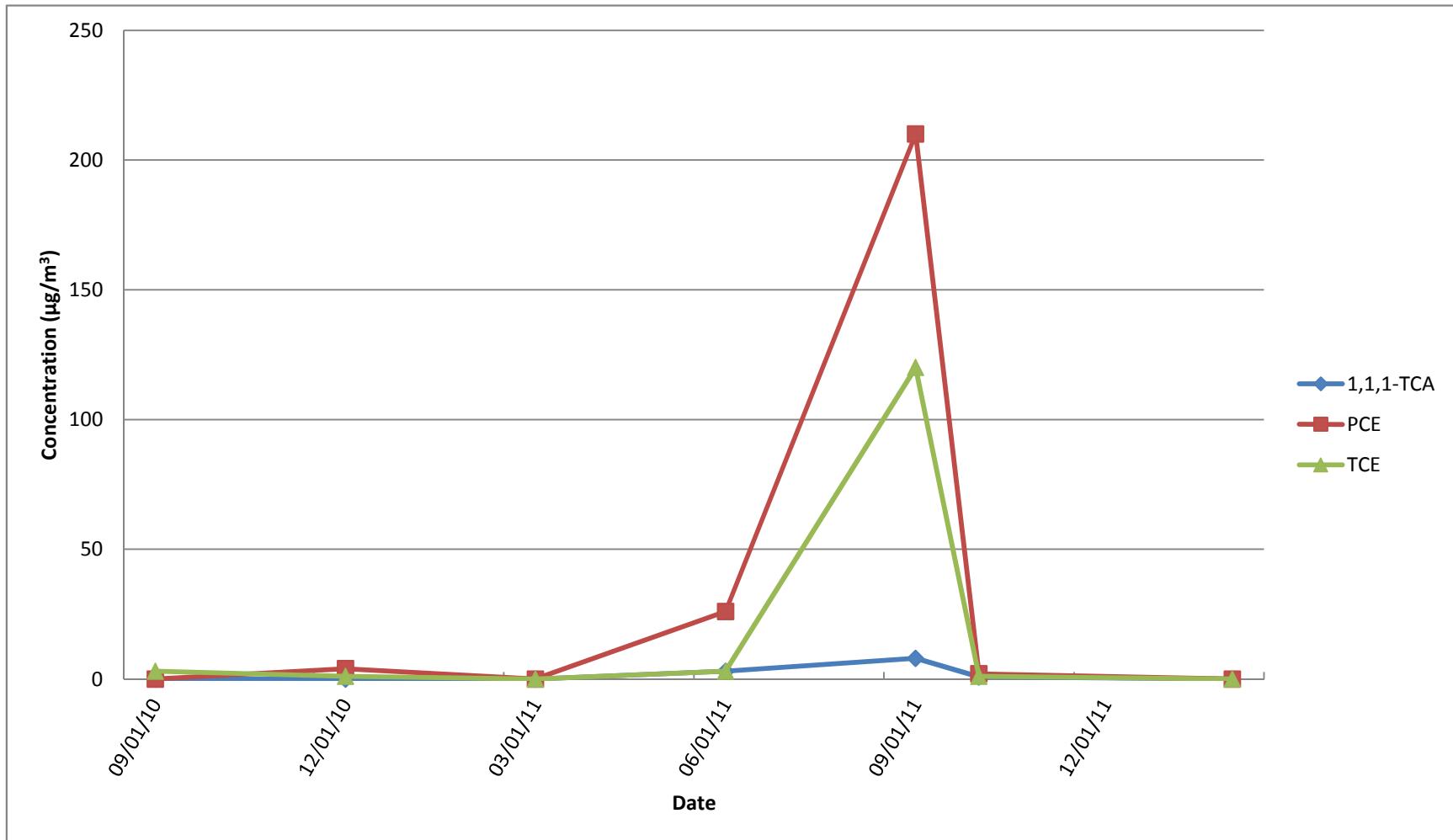


Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-101I



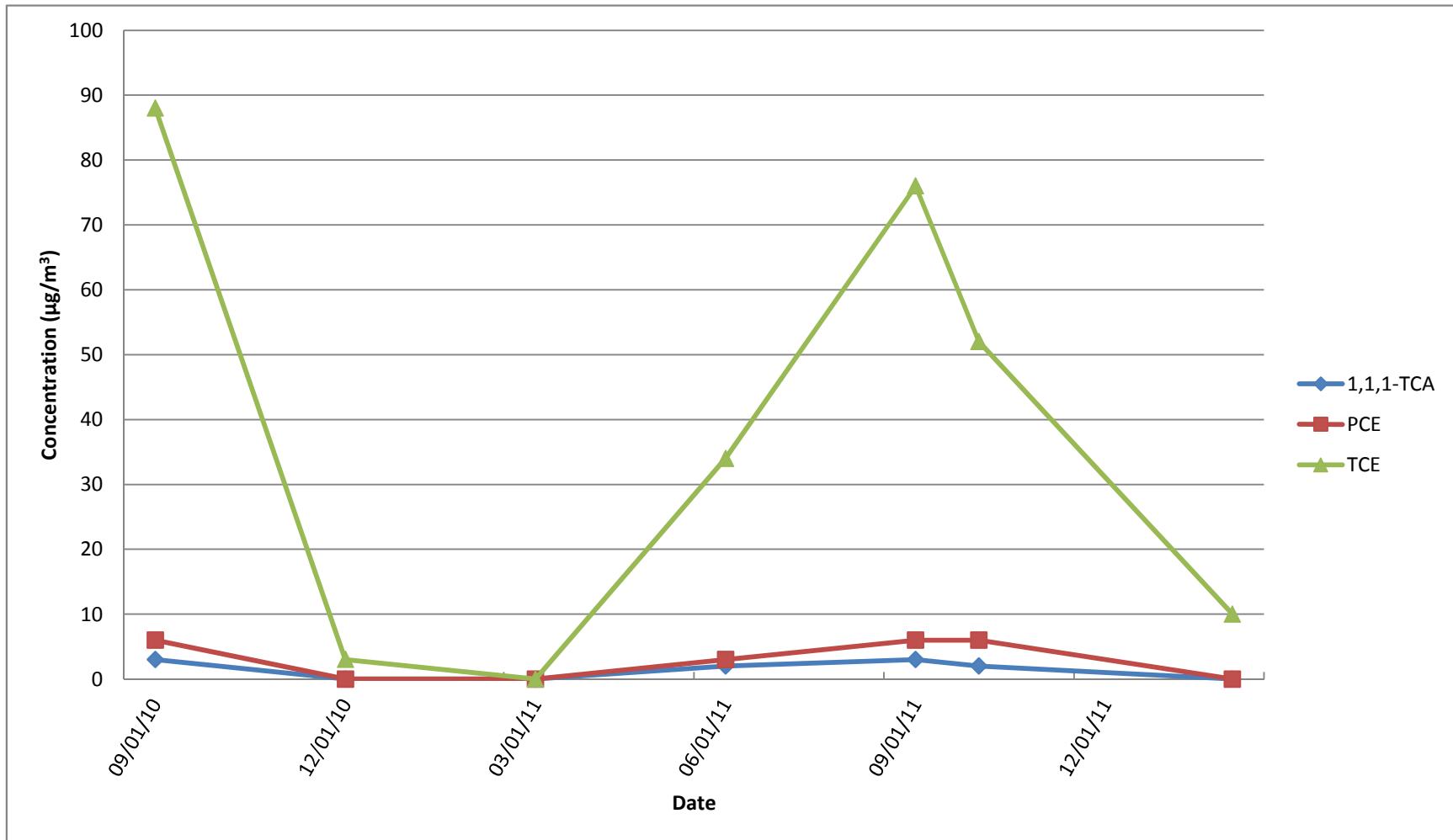
**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs**

SV-101D

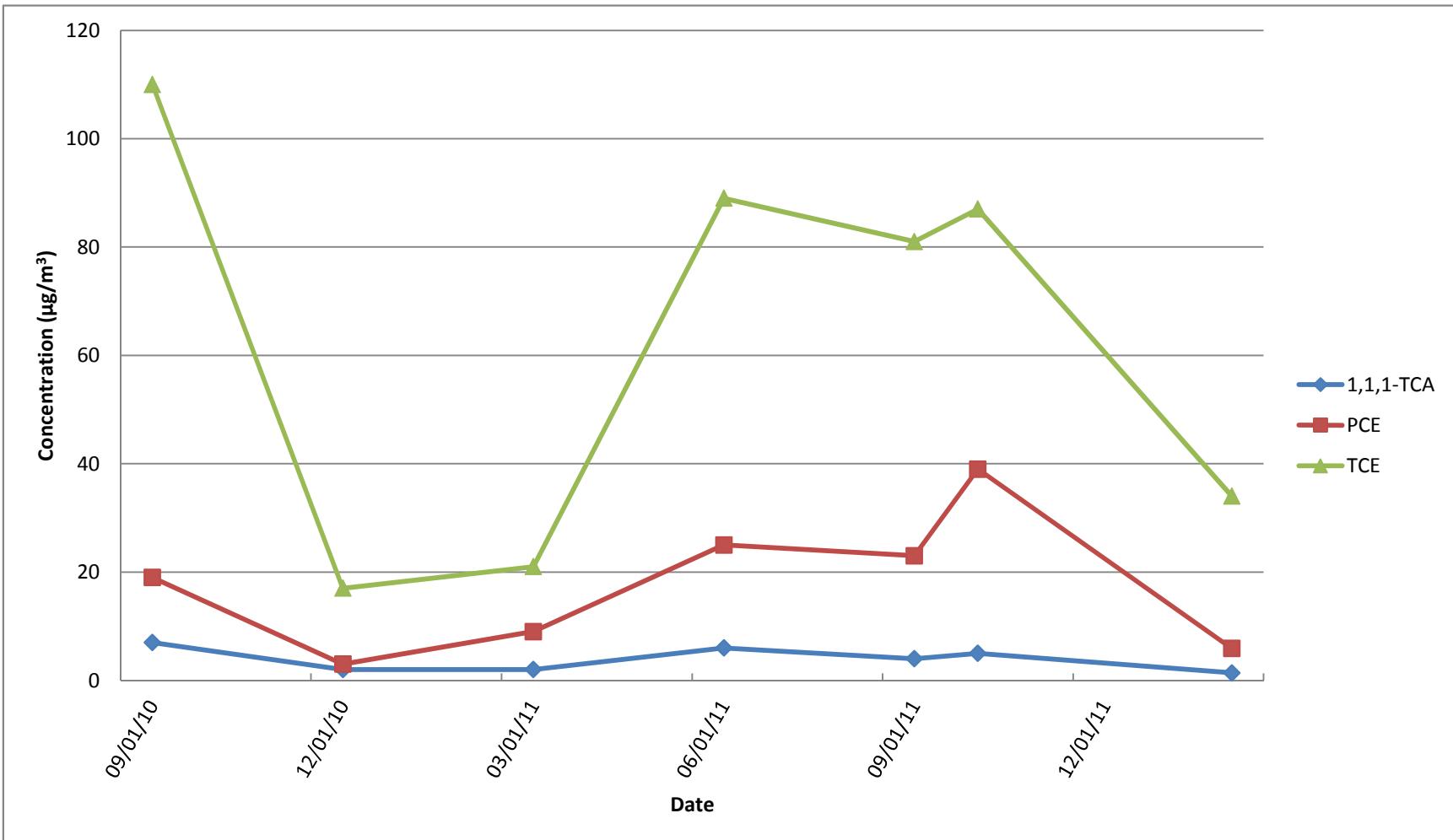


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs**

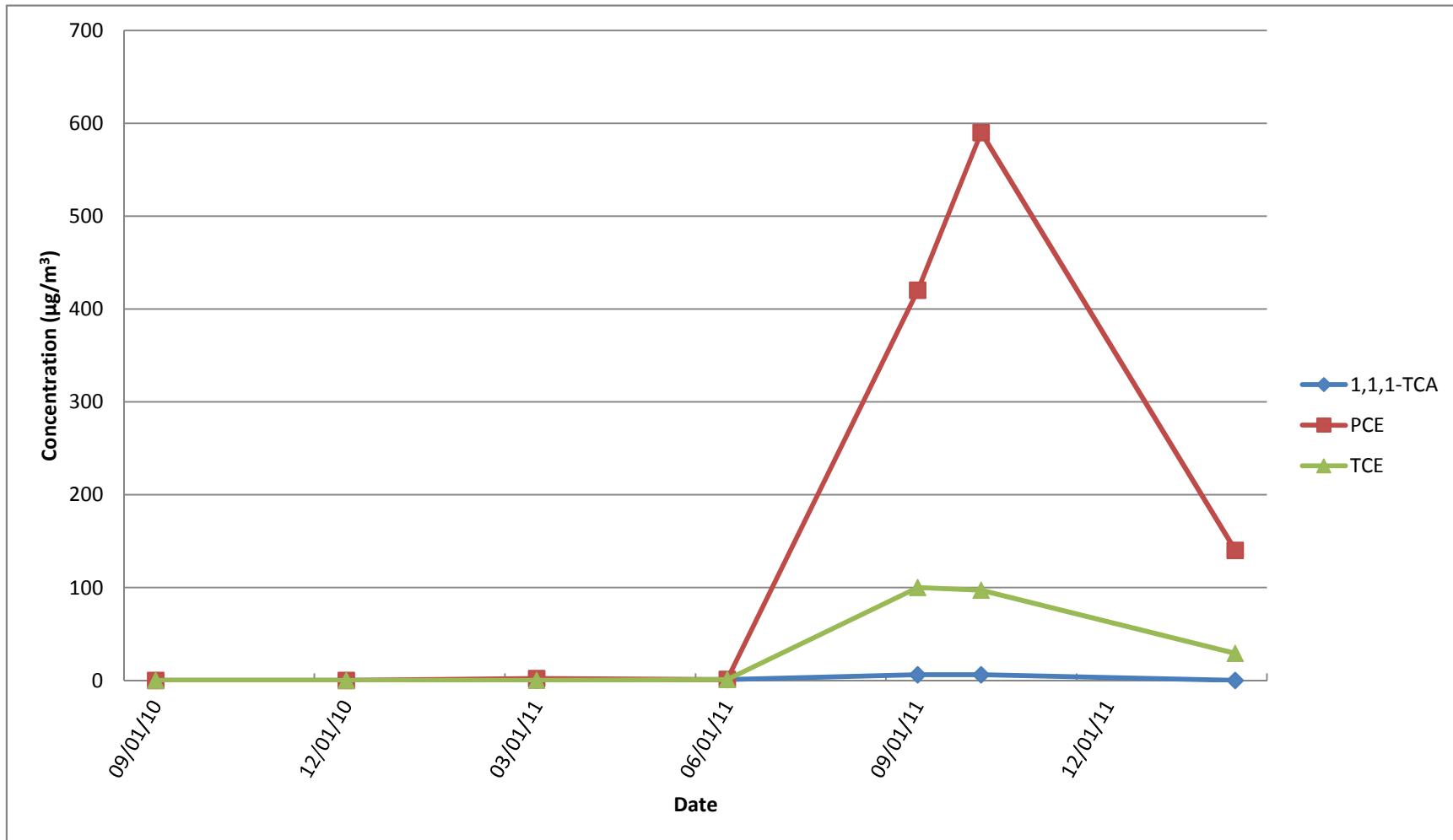
SV102I



Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-102D

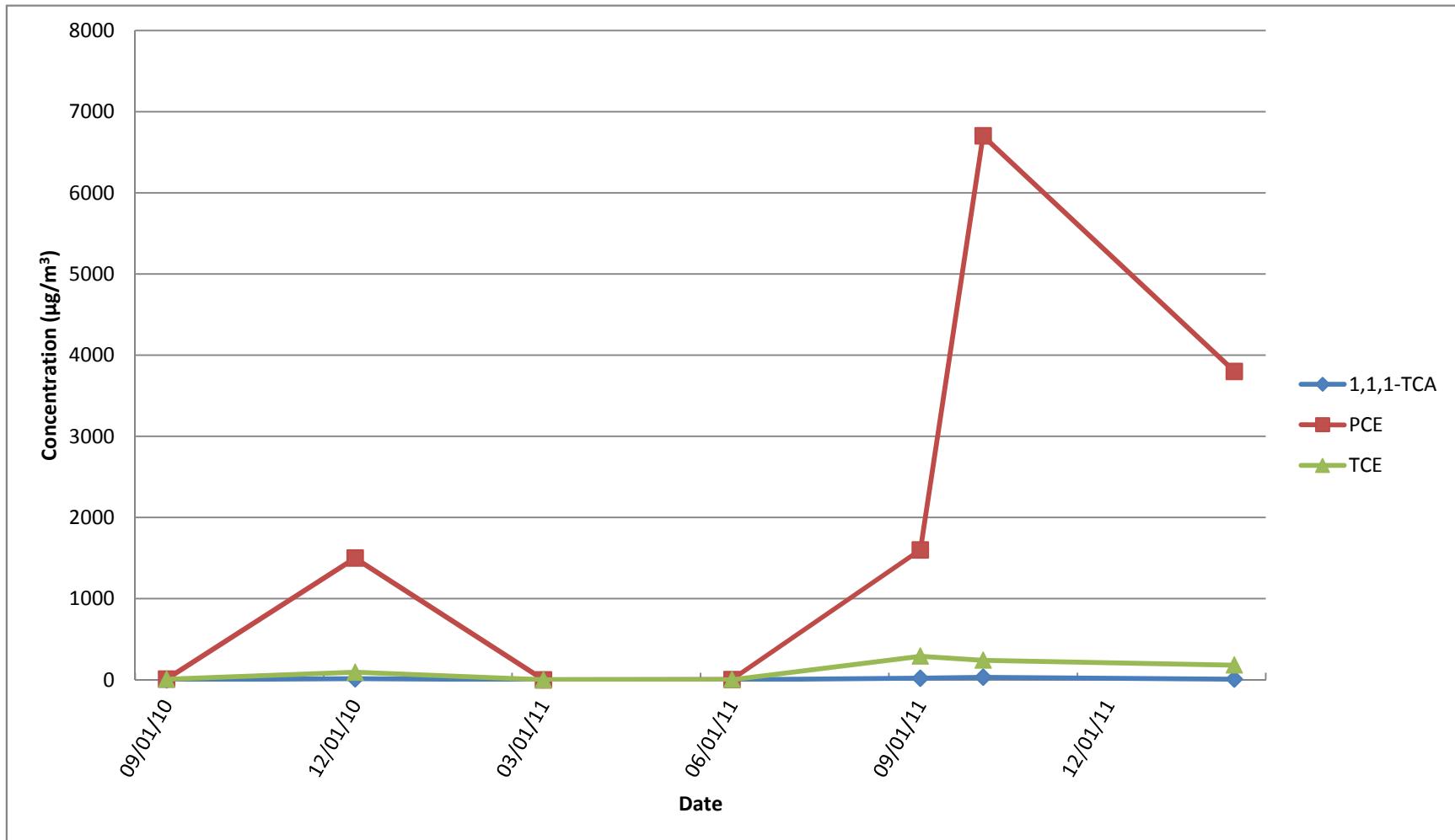


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-103I**

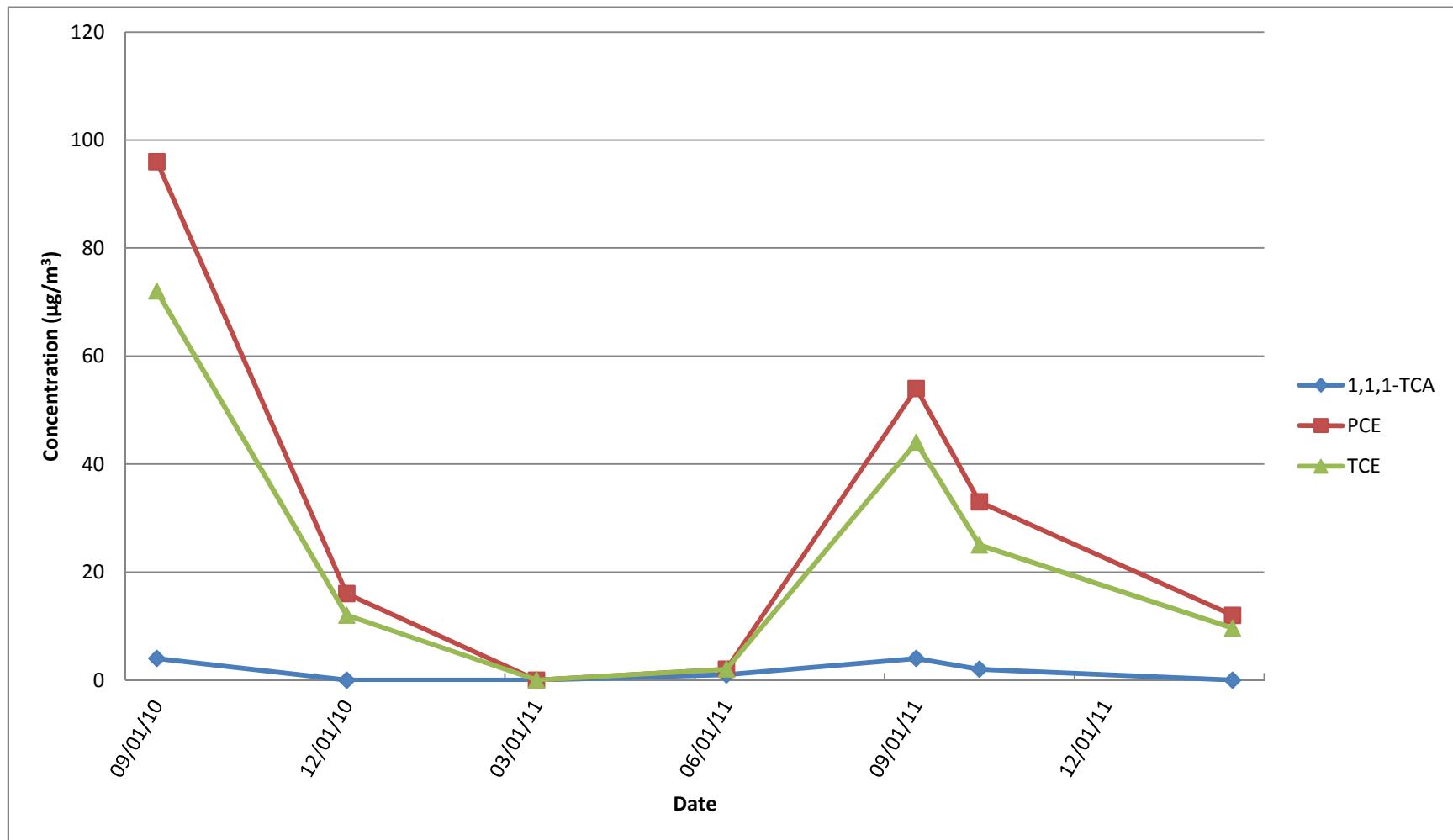


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs**

SV103D

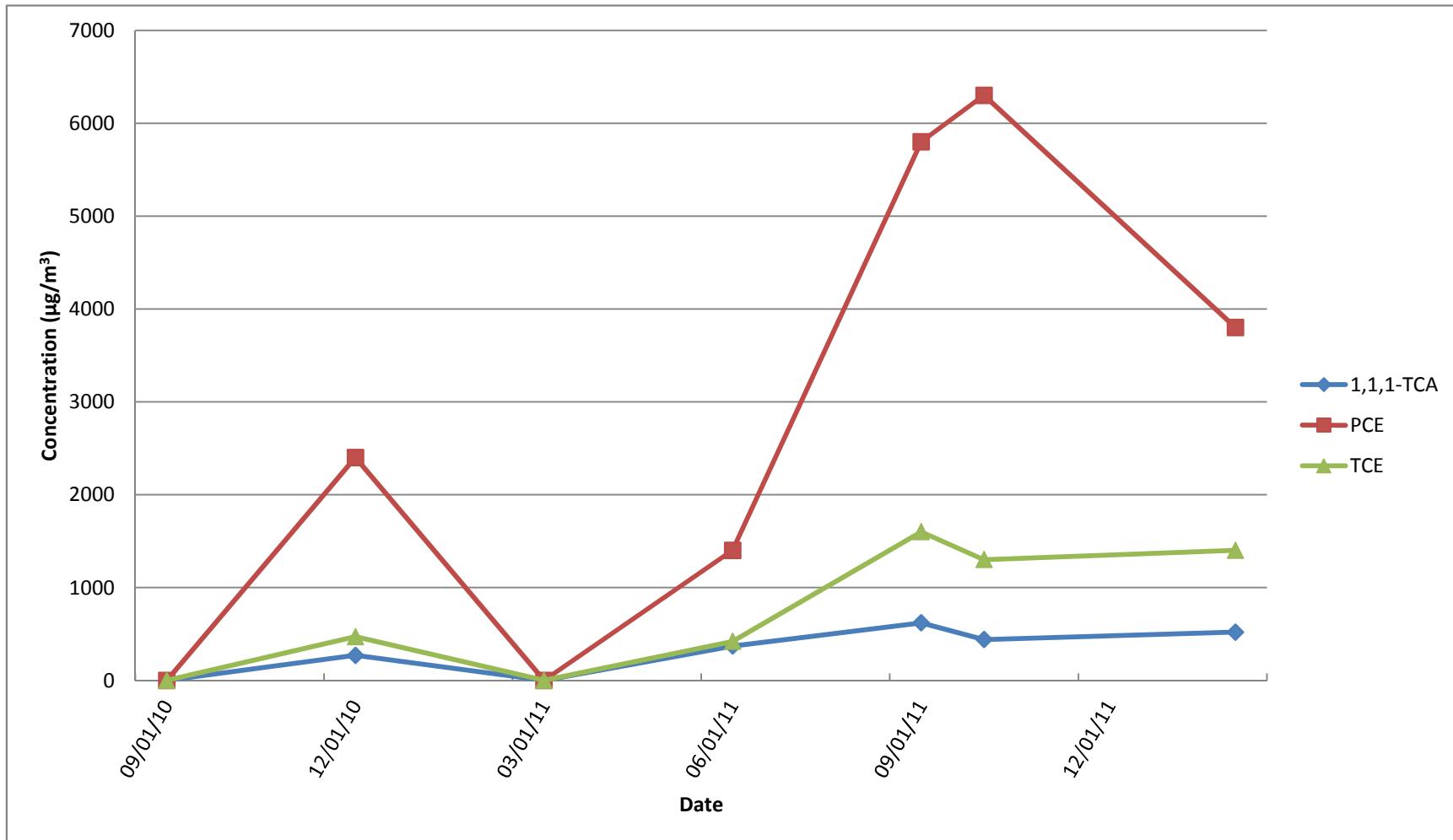


Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV104I

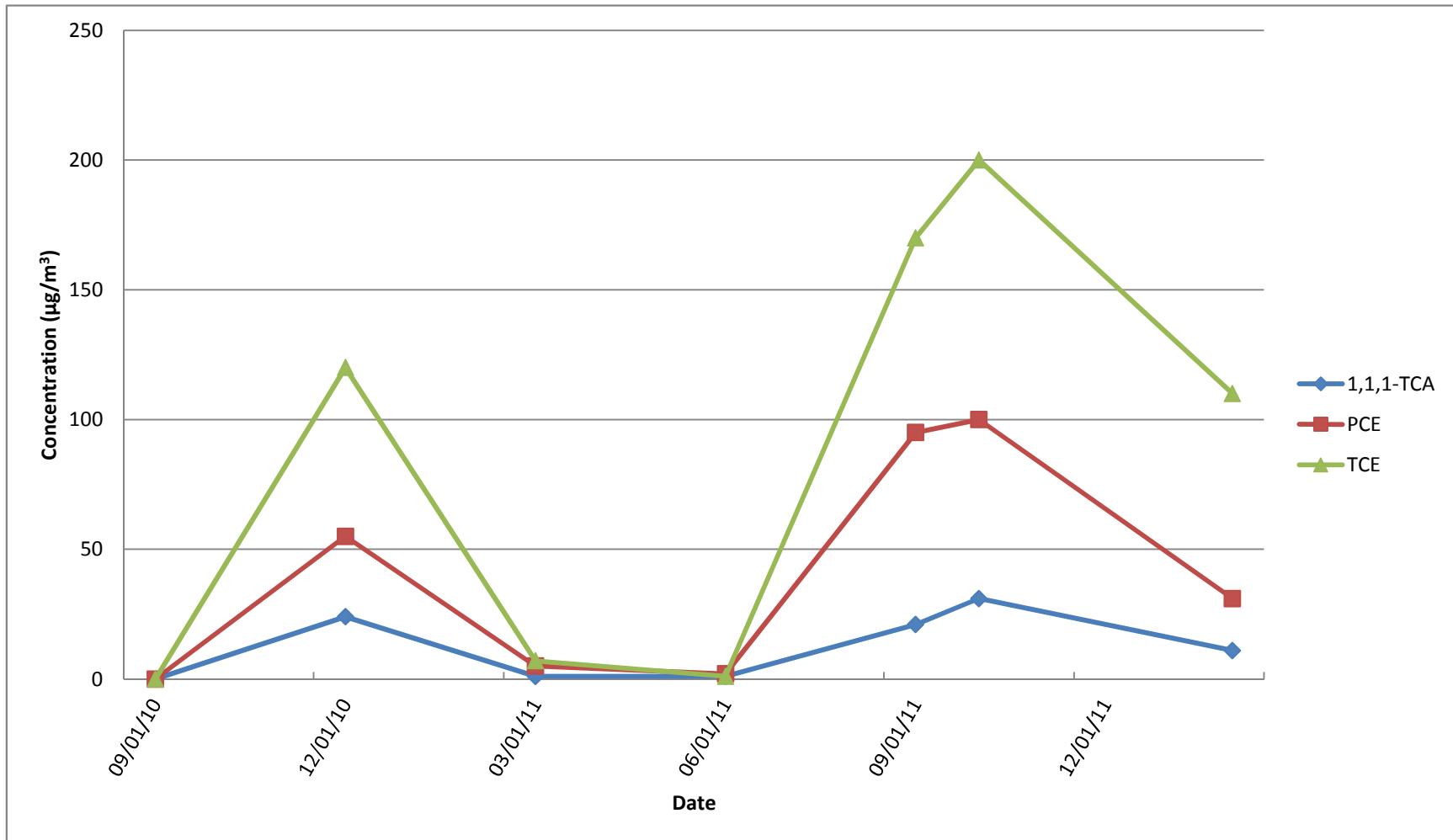


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs**

SV-104D

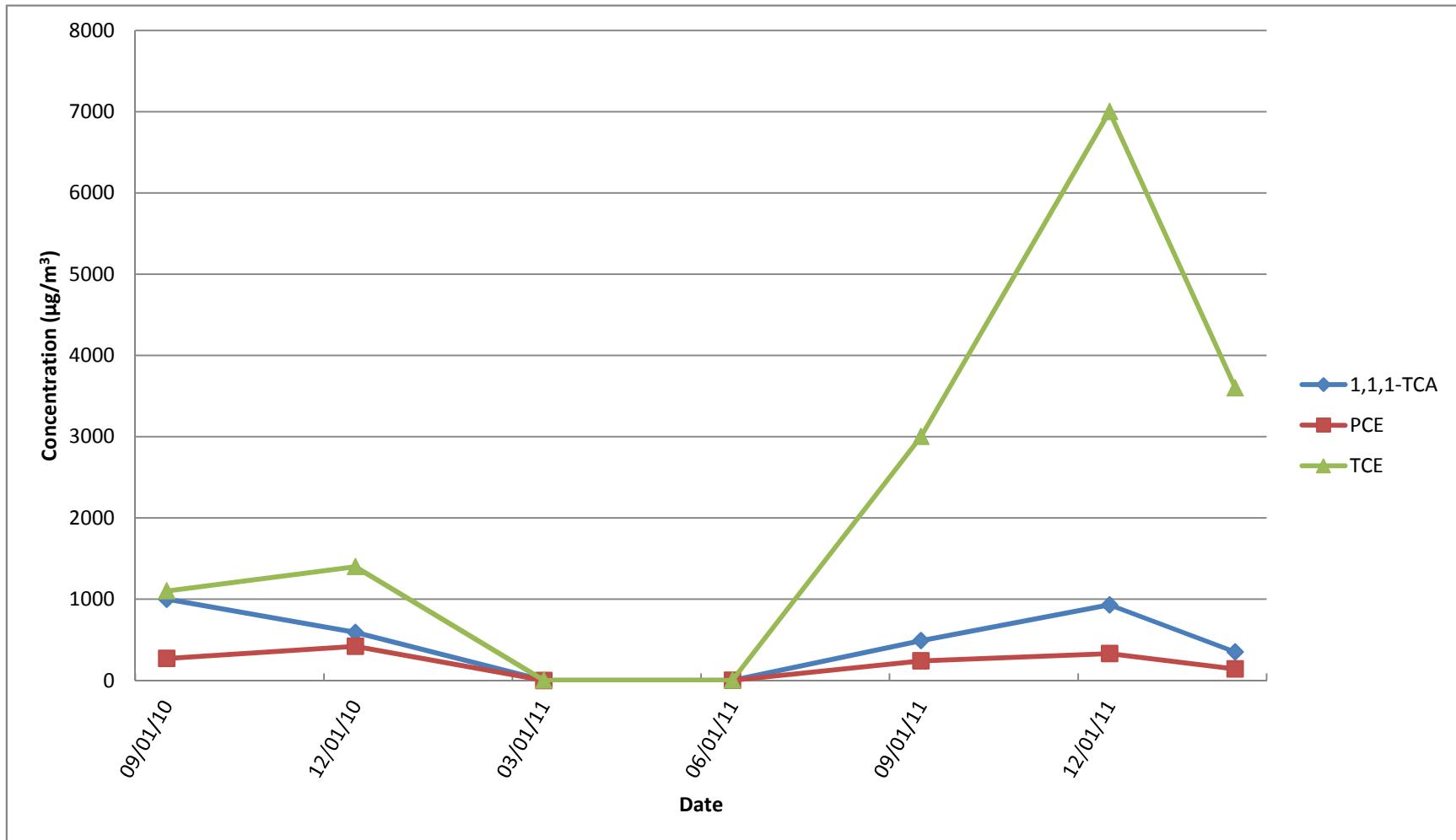


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-105I**

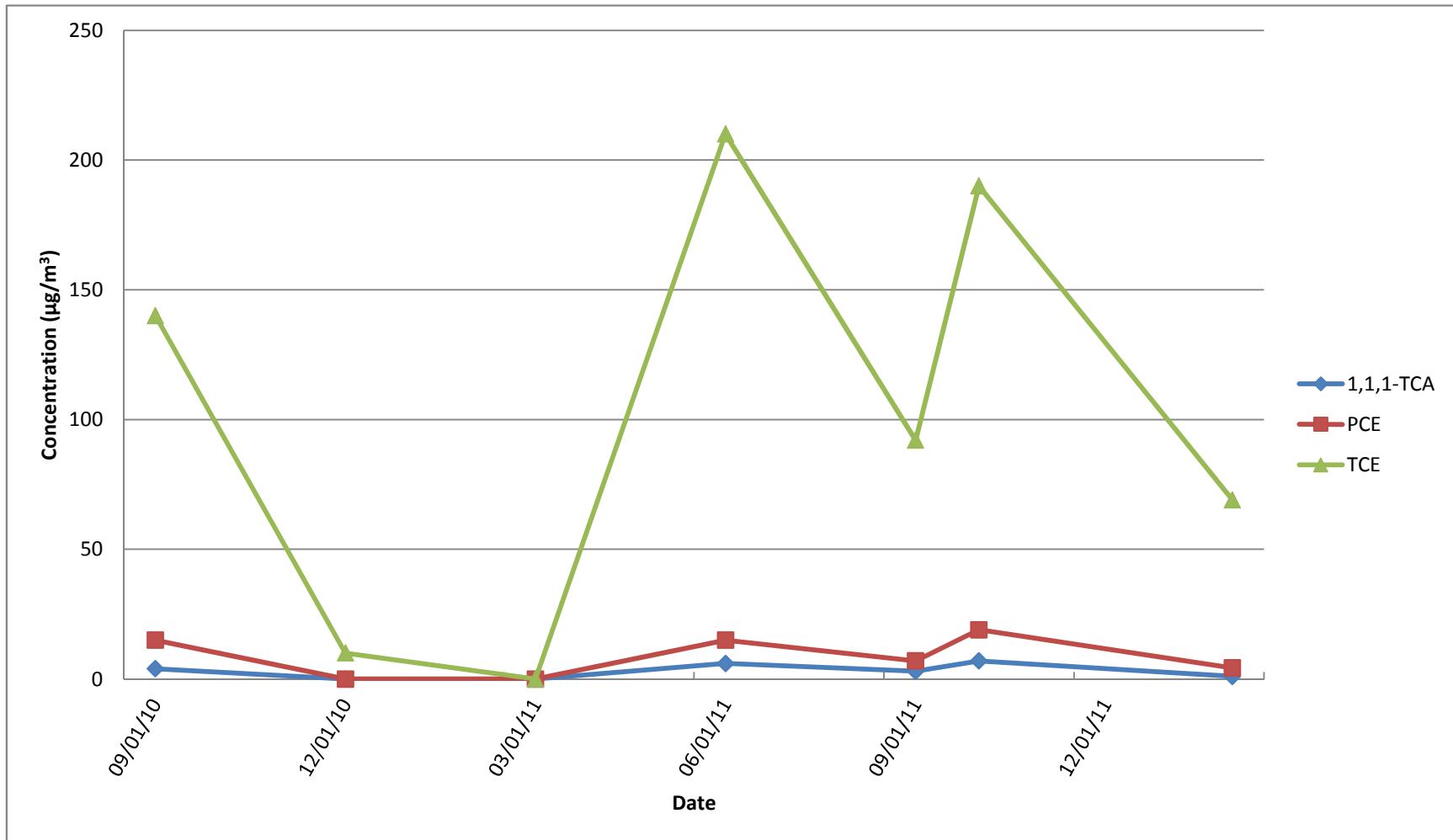


**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs**

SV-105D



**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-106I**



**Soil Vapor Extraction Containment System
Site 1, Former Drum Marshalling Yard
Naval Weapons Industrial Reserve Plant - Bethpage, NY
Vapor Concentration Trends of Select VOCs
SV-106D**

